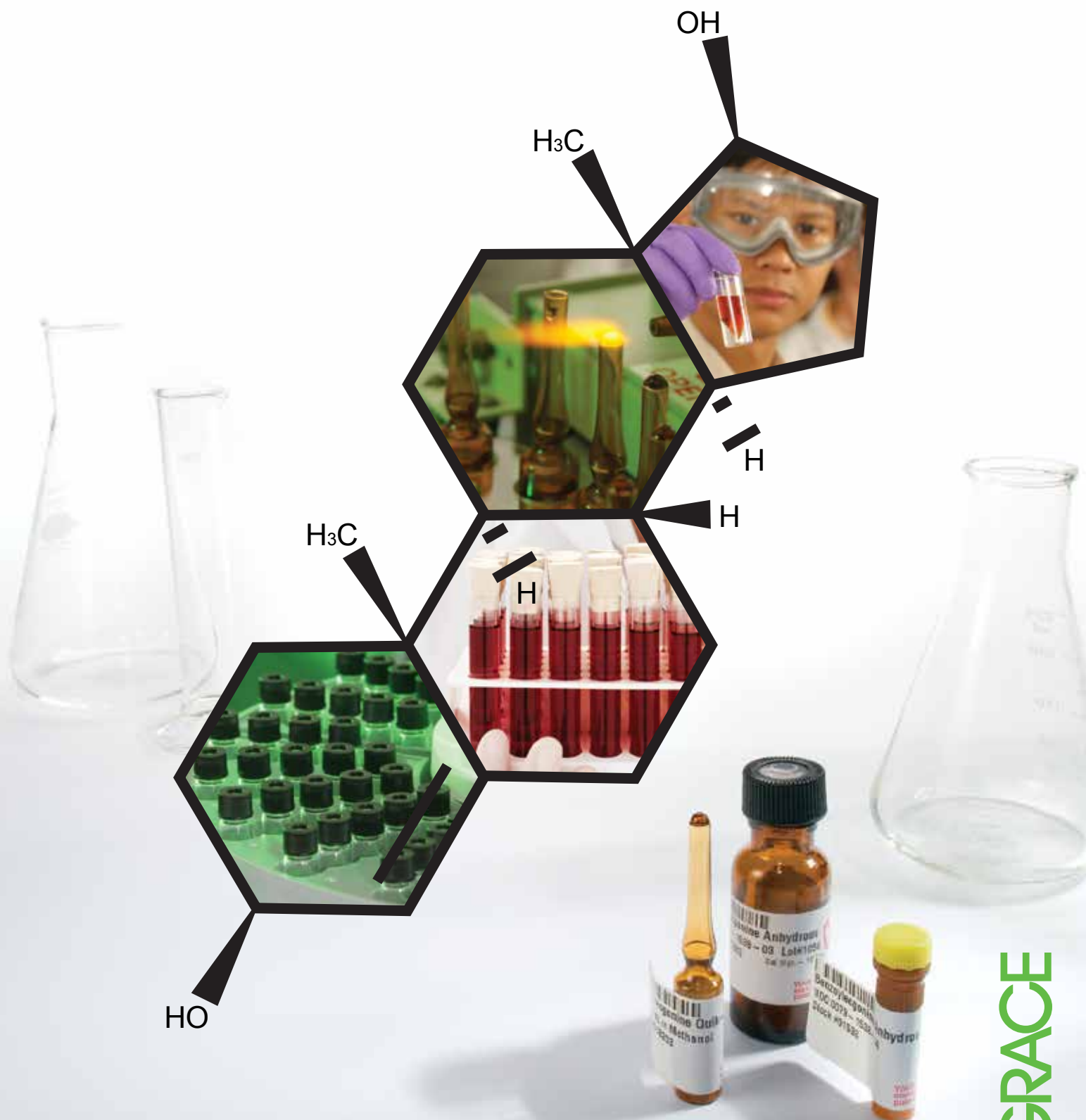


# Alltech<sup>®</sup> Drug Standards

For the Forensic, Clinical & Pharmaceutical Industries



# Our Company

## Welcome to the Grace's Alltech® Drug Standards Catalog

W. R. Grace has manufactured high-quality silica for over 150 years. Grace has been behind the scenes for the past 30 years supplying silica to the chromatography industry. Now we're in the forefront moving beyond silica, developing and delivering innovative complementary products direct to the customer. Grace Davison Discovery Sciences was founded on Grace's core strength as a premier manufacturer of differentiated media for SPE, Flash, HPLC, and Process chromatography. This core competency is further enhanced by bringing seven well-known global separations companies together, creating a powerful new single source for all your chromatography needs.

### A Full Portfolio of Chromatography Products to Support Drug Standards:

- HPLC Columns
- HPLC Accessories
- Flash Products
- TLC Products
- GC Columns
- GC Accessories
- SPE and Filtration
- Equipment
- Syringes
- Tubing
- Vials

For complete details, download the Chromatography Essentials catalog from the Grace web site or contact your customer service representative.

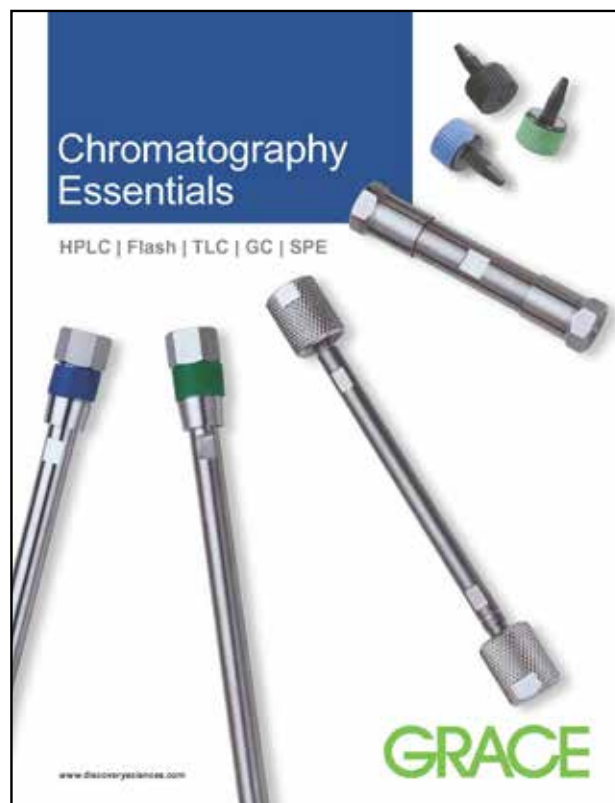
### Alltech - Part of the Grace Family of Products

In 2004, Alltech Associates Inc. was acquired by Grace along with the Alltech® Drug Standards product line. Through investment in research and strategic acquisitions, Grace has expanded our product range and global reach while drawing upon the support of the Grace corporate infrastructure and more than 6000 employees globally to support scientific research and analysis worldwide.

With key manufacturing sites in North and South America, Europe, and Asia, plus an extensive international sales and distribution network, separation scientists throughout the world can count on timely delivery and expert local technical service.

### Broad Product Offering. Specific Solutions

Grace supplies chromatography products and drug standards to many business sectors throughout the world including: pharmaceutical, environmental, biofuels, chemical, petrochemical, food/beverage, forensic, toxicology, educational, and biotechnology.



## For Over 30 Years You Have Put Your Trust in the Alltech® Brand

You now have the convenience to find your drug standards and chromatography products from one specialized supplier that has nearly a century of materials science and separation experience.

Along with synthesis and manufacturing capabilities, Grace can help with your entire separation process. Whether for forensic, diagnostic, pharmaceutical, environmental, or contract services, depend on your partnership with Grace.

We look forward to the opportunity to assist in your work and serve your needs.

### The Benefits and Value of Partnering with Grace

- DEA licensed to manufacture, inventory, & distribute controlled substances schedule I-V
- Certificates of quality with all of your Certified Reference Standard purchases
- 30+ years of drug standard expertise
- ISO 9001, 14000 certified manufacturing facilities and ISO 13485 medical devices
- cGMP IPEC compliant product manufacturing facilities
- 150+ years of silica and material science expertise
- Global infrastructure and distribution network with local service and expertise
- Personalized customer service



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## Packaging Options

### Three Convenient Packaging Options to Satisfy Your Specific Needs:

#### Quik-Chek™ Solutions

- Convenient & ready to use
- Quantities are net weights, accounting for salts, level of hydration, and purity
- No DEA license required (USA and Canada)
- \$100 USD minimum order on Quik-Chek™



7497

These standards are prepared in our labs in a suitable, stable solvent that allows immediate use. Each solution is prepared at a stated concentration of the compound compensating for any salt or level of hydration that may be present as well as level of purity. They are supplied sealed in silanized glass ampoules under an argon blanket for maximum stability. A silanized glass screw-cap vial with "Top Hat" closure is supplied for storage after the ampoule has been opened. Not only do Quik-Chek™ solutions save time, they also provide standards to those who do not have a DEA license. For those residing outside the USA and Canada, contact the responsible government agency for importing instructions.

Throughout this catalog, Quik-Chek™ Standards are identified with this symbol ✓

#### Dilute 'N Shoot™ Standards\*

- Pre-weighed, just add solvent
- Quantitative weights calculated on "base" drug



7499

These materials are supplied in a silanized amber bottle large enough to allow for dilution of the standard without transfer of the contents. The fluid capacity of the bottle is 15mL which would allow dilution directly in the bottle down to a concentration of 0.7µg/µL. Appropriate closures are also provided for direct syringe needle access to the prepared solution. The theoretical and actual weight of the drug is listed with dilution instructions. In the case of drugs that are salts or hydrated, the weight is calculated to give a "base" weight of the actual drug.

Throughout this catalog, Dilute 'N Shoot™ Standards are identified with this symbol 💧

#### Neat Standards\*

- Weigh and dilute to fit your needs
- Purity and identity confirmed on certificate of analysis

Materials are supplied in a stable, pure form that lets the researcher make their own mixes and solutions. No adjustment is made for salt or level of hydration in the weight of the material. Each unit is packaged in an amber, polypropylene vial with a color-coded\*\* screw cap that identifies scheduled items for storage purposes. Liquids such as "Nicotine" are supplied by volume in sealed amber ampoules.



7501

\* **Note:** Some drugs are restricted by the Drug Enforcement Administration (DEA) and cannot be purchased unless the investigator has a license to handle and store the materials. For more information, contact your local DEA regional office (USA) or the responsible government agency for those outside the USA.

\*\***Red** – Schedule I; **Yellow** – Schedule II; **Orange** – Schedule III; **Blue** – Schedule IV

**for current product availability, contact customer service:  
Ph: 1-847-282-2100 • Fax: 1-847-948-1078**

# How to Order Controlled Reference Standards

## In the U.S.A.

### Schedule I and II Standards:

Attach a copy of your current DEA Registration Certificate to your regular company purchase order. Complete and enclose a DEA-222 form, carefully following the directions printed on the back of the form. A sample form and directions are shown below. FAX orders are not acceptable.

### Schedule III and IV Standards:

Attach a copy of your current DEA Registration Certificate to your regular company purchase order. DEA-222 forms are not required or acceptable. Orders may be sent by FAX for these standards only (1-847-948-1078).

See Reverse of PURCHASER'S Copy for Instructions		No order form may be issued for Schedules I and II substances unless a completed application form has been received, (21 CFR 1305.04)		OMB APPROVAL No. 43-R0567		
TO: (Name of Supplier) Alltech Associates, Inc.			STREET ADDRESS 2051 Waukegan Road			
CITY and STATE Deerfield, IL 60015		DATE Today's Date		TO BE FILLED IN BY SUPPLIER SUPPLIER'S DEA REGISTRATION No.		
TO BE FILLED IN BY PURCHASER						
Line No.	No. of Packages	Size of Package	Name of Item	National Drug Code	Packages Shipped	Date Shipped
1	3	25 mg	Benzoyllecgonine tetrahydrate			
2	10	25 mg	PCP HCl			
3	5	50 mg	Cocaine HCl			
4	1	10 mg	Lysergic Acid Diethylamide (LSD)			
5						
6						
7						
8						
9						
10						
4		NO. OF LINES COMPLETED		SIGNATURE OF PURCHASER OR HIS ATTORNEY OR AGENT <i>Janet J. Jones</i>		
Date Issued 01/01/08		DEA Registration No. PA0017741		Name and Address of Registrant The ABC Company Main Street Any Town, Any State		
Schedules 1, 2, 3, 3N, 4, 5				99999		
Registered as a Analytical Lab		No. of this Order Form K21112988				
DEA Form — 222 (Aug. 1978)		U.S. OFFICIAL ORDER FORMS - SCHEDULES I & II DRUG ENFORCEMENT ADMINISTRATION SUPPLIER'S COPY 1		16326237		



- 1 The form must show the supplier as: Alltech Associates, Inc., 2051 Waukegan Road, Deerfield, IL 60015.
- 2 Complete "No. of Packages, Size of Package, and Name of Item(s)" columns.
- 3 "Suppliers DEA Registration No. and National Drug Code" are to be filled in by Alltech Associates, Inc. at the time of shipment. **LEAVE THIS PORTION OF THE FORM BLANK!**
- 4 Fill in "No. of Lines Completed".
- 5 Sign.
- 6 Do not alter any of the computer typed information on the lower portion of the form. If your name and address have changed, contact your regional DEA office for a new supply of forms. Shipment can only be made to the address shown on the form.

## For Our International Customers

### All Schedules:

Please request a pro forma quotation for current export prices. Due to the high cost of air freight and document preparation, our minimum order is \$500 USD (excluding freight charges). Solutions are exempt in the U.S. & Canada only. Formal import permits are required by most countries. We will send specific instructions for ordering with our quotation. Send your inquiries by FAX for prompt response.

### All purchase orders and forms must be made out to:

Alltech Associates, Inc.  
2051 Waukegan Road  
Deerfield, IL 60015  
Phone: 1-847-282-2100  
U.S. Toll Free 1-888-395-9294  
Fax: 1-847-948-1078

### Please Order Carefully!

1. We cannot accept returns on Drug Standards.
2. Corrections, erasures, or alterations on DEA-222 forms are unacceptable. If you make an error, void the form and prepare a new one.
3. Your order will be returned if submitted incorrectly.
4. If specific purity level is required, customer must note on order form. May require additional fees.

Product purchases are subject to Grace's standard sales terms and conditions

**for current product availability, contact customer service:**  
**Ph: 1-847-282-2100 • Fax: 1-847-948-1078**

# Category Index & Cross-Reference Guide

(not all products correspond to a listed category - see product index for a complete listing of available compounds)

## Amphetamine/Methamphetamine Related Compounds

<i>d</i> -Amphetamine HCl .....	9	<i>d</i> -Methamphetamine HCl .....	27	PMMA - <i>see 4-Methoxymethamphetamine</i> ...	28
<i>d</i> -Amphetamine- <i>ds</i> .....	9	<i>l</i> -Methamphetamine HCl .....	27	Phendimetrazine Bitartrate .....	34
<i>l</i> -Amphetamine HCl .....	9	<i>dl</i> -Methamphetamine- <i>ds</i> .....	27	Phenmetrazine HCl .....	34
<i>d</i> -Benzphetamine HCl .....	10	4-Methoxyamphetamine HCl .....	28	Phentermine HCl .....	35
4-Bromo-2,5-dimethoxyamphetamine HBr ...	11	4-Methoxymethamphetamine HCl .....	28	Phenylephrine HCl .....	35
DOB - <i>see 4-Bromo-2,</i>		<i>l</i> - <i>N</i> -Methylephedrine HCl .....	28	Phenylpropranolamine HCl .....	35
5-dimethoxyamphetamine HBr .....	11	Methylphenidate HCl .....	29	<i>dl</i> -Phenylpropranolamine- <i>d3</i> .....	35
<i>l</i> -Ephedrine .....	19	4-Methylthioamphetamine HCl .....	29	<i>N</i> -Propylamphetamine HCl .....	36
<i>l</i> -Ephedrine- <i>d3</i> .....	19	MTA - <i>see 4-Methylthioamphetamine HCl</i> .....	29	<i>d</i> -Pseudoephedrine HCl .....	36
<i>dl</i> - <i>N</i> -Ethylamphetamine HCl .....	19	Norephedrine - <i>see Phenylpropranolamine</i> ...	35	<i>d</i> -Pseudoephedrine- <i>d3</i> .....	36
<i>p</i> -Hydroxynorephedrine HCl .....	23	PMA - <i>see 4-Methoxyamphetamine</i> .....	28	Synephrine .....	38

## Barbiturates and Related Compounds

Allobarbitol .....	8	Diallylbarbituric Acid - <i>see Allobarbitol</i> .....	8	Methyprylon .....	29
Alphenal .....	8	1,3-Dimethylbarbituric Acid .....	17	PEMA - <i>see 2-Ethyl-2-phenylmalonamide</i> .....	29
<i>dl</i> -Aminoglutethimide .....	9	2-Ethyl-2-phenylmalonamide Monohydrate ...	19	Pentobarbital .....	34
Amobarbital .....	9	Glutethimide .....	21	Phenobarbital .....	34
Aprobarbital .....	10	Hexobarbital .....	21	Primidone .....	35
Barbital .....	10	<i>p</i> -Hydroxyphenobarbital Monohydrate .....	23	Secobarbital .....	37
Butabarbital .....	11	Mephobarbital .....	26	Talbutal .....	38
Butalbital .....	11	Metharbital .....	27	Thiamylal .....	39
Butethal .....	12			Thiopental .....	39
Cyclopentobarbital .....	15				

## Benzodiazepines and Related Compounds

Alprazolam .....	8	Diazepam .....	16	Midazolam .....	29
$\alpha$ -Hydroxyalprazolam .....	22	Nordiazepam .....	31	Nitrazepam .....	31
Bromazepam .....	11	Estazolam .....	19	2-Amino-5-nitrobenzophenone .....	9
Chlordiazepoxide HCl .....	13	Flunitrazepam .....	20	Oxazepam .....	32
Norchlordiazepoxide .....	31	7-Aminoflunitrazepam .....	9	Oxazepam Glucuronide .....	33
Clobazam .....	14	Flurazepam di-HCl .....	21	Prazepam .....	35
Clonazepam .....	14	Desalkylflurazepam .....	15	Temazepam .....	38
7-Aminoclonazepam Hemihydrate .....	9	Halazepam .....	21	Temazepam Glucuronide .....	38
<i>N</i> -Methylclonazepam .....	28	Lorazepam .....	25	Triazolam .....	40
Clorazepate Dipotassium .....	14	Lorazepam Glucuronide .....	25	$\alpha$ -Hydroxytriazolam .....	24
		Medazepam .....	26		

## Cocaine Related Compounds

Atropine Sulfate Monohydrate .....	10	Cocaethylene .....	15	Ecgonine Benzoate - <i>see Benzoyllecgonine</i> .....	10
Benzoic Acid .....	10	<i>l</i> -Cocaine HCl .....	15	Ecgonine Methyl Ester HCl Monohydrate .....	18
Benzoyllecgonine (Anhydrous) .....	10	<i>l</i> -Cocaine- <i>d3</i> HCl .....	15	Norcocaine .....	31
Benzoyllecgonine- <i>d3</i> .....	10	Ecgonine HCl .....	18	Propylbenzoyllecgonine HCl .....	36

## GHB Related Compounds

GABA - <i>see 4-Aminobutyric Acid</i> .....	8	4-Aminobutyric Acid .....	8	$\gamma$ -Hydroxybutyrate .....	23
GBL - <i>see <math>\gamma</math>-Butyrolactone</i> .....	12	1,4-Butanediol .....	12	Sodium Oxybate - <i>see <math>\gamma</math>-Hydroxybutyrate</i> .....	23
GHB - <i>see <math>\gamma</math>-Hydroxybutyrate</i> .....	23	$\gamma$ -Butyrolactone .....	12	$\gamma$ -Valerolactone .....	40
GVL - <i>see <math>\gamma</math>-Valerolactone</i> .....	40				

## MDA/MDMA and Related Compounds

Benzylpiperazine .....	11	MDOH - <i>see N-Hydroxy-MDA HCl</i> .....	23	3,4-Methylenedioxy- <i>N</i> -hydroxyamphetamine	
BZP - <i>see Benzylpiperazine</i> .....	11	3,4-MDPA HCl .....	26	- <i>see N-Hydroxy-MDA HCl</i> .....	23
Caffeine .....	12	MDPR - <i>see 3,4-MDPA HCl</i> .....	26	3,4-Methylenedioxy- <i>N</i> -propylamphetamine	
Dextromethorphan HBr Monohydrate .....	16	3,4-Methylenedioxyamphetamine		- <i>see 3,4 MDPA HCl</i> .....	26
2,3-MDA HCl .....	25	- <i>see 3,4-MDA HCl</i> .....	25	4-Methoxyamphetamine HCl .....	28
3,4-MDA HCl .....	25	3,4-Methylenedioxymethamphetamine		4-Methoxymethamphetamine HCl .....	28
3,4-MDE HCl .....	25	- <i>see 3,4-MDMA HCl</i> .....	26	PMA - <i>see 4-Methoxyamphetamine HCl</i> .....	28
2,3-MDMA HCl .....	26	3,4-Methylenedioxy- <i>N</i> -ethylamphetamine		PMMA - <i>see 4-Methoxymethamphetamine HCl</i> .....	28
3,4-MDMA HCl .....	26	- <i>see 3,4-MDE HCl</i> .....	25	Trifluoromethylphenylpiperazine HCl .....	40

## Opioids

6-Acetylcodeine .....	8	Dihydrohydroxymorphinone - <i>see Oxymorphone</i> ...	33	6-Monoacetylmorphine HCl Hydrate .....	29
6-Acetylmorphine - <i>see 6-Monoacetylmorphine</i> .....	29	Dihydromorphinone - <i>see Hydromorphone</i> .....	22	Morphine HCl Trihydrate .....	30
Buprenorphine HCl .....	11	EDDP - <i>see dl-Methadone - Primary Metabolite</i> ...	27	Morphine-3- $\beta$ - <i>D</i> -glucuronide Dihydrate ...	30
Codeine .....	15	EMDP - <i>see dl-Methadone - Secondary Metabolite</i> .....	27	Normorphine Monohydrate .....	32
Norcodeine HCl Trihydrate .....	31	Ethylmorphine HCl Dihydrate .....	19	Morphine- <i>d3</i> .....	30
Codeine- <i>d3</i> .....	15	Heroin - <i>see Diacetylmorphine</i> .....	16	Naloxone HCl .....	30
Dextromethorphan HBr Monohydrate .....	16	Hydrocodone Bitartrate Hydrate .....	22	Naloxone HCl Dihydrate .....	30
Diacetylmorphine HCl Monohydrate .....	16	Hydromorphone HCl .....	22	Naltrexone HCl Trihydrate .....	30
Diamorphine - <i>see Diacetylmorphine</i> .....	16	Levorphanol Tartrate Dihydrate .....	25	Oxycodone HCl Hydrate .....	33
Dihydrocodeine Bitartrate .....	17	<i>dl</i> -Methadone HCl .....	27	Oxymorphone .....	33
Dihydrocodeinone - <i>see Hydrocodone</i> .....	22	- Primary Metabolite (EDDP iodide) .....	27	Thebaine .....	39
Dihydrohydroxycodone - <i>see Oxycodone</i> .....	33	- Secondary Metabolite (EMDP HCl) .....	27		

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## Phenethylamines and Related Compounds

4-Bromo-2,5-dimethoxyamphetamine HBr	11
4-Bromo-2,5-dimethoxyphenethylamine HCl	11
4-Chloro-2,5-dimethoxyphenethylamine HCl	13
2,5-Dimethoxy-4-ethylthiophenethylamine HCl	17
2,5-Dimethoxy-4-methylthiophenethylamine HCl	17
2,5-Dimethoxy-4- <i>n</i> -propylthiophenethylamine HCl	17
2,5-Dimethoxy-4-bromoamphetamine	
- see 4-Bromo-2,5-dimethoxyamphetamine HBr	11
2,5-Dimethoxy-4-bromophenethylamine	
- see 4-Bromo-2,5-dimethoxyphenethylamine HCl	11
2,5-Dimethoxy-4-chlorophenethylamine	
- see 4-Chloro-2,5-dimethoxyphenethylamine HCl	13
2,5-Dimethoxy-4-iodophenethylamine	
- see 4-Iodo-2,5-dimethoxyphenethylamine HCl	24
4-Iodo-2,5-dimethoxyphenethylamine HCl	24
Mescaline HCl	26
4-Methoxyamphetamine HCl	28
4-Methoxymethamphetamine HCl	28
3,4-Methylenedioxyamphetamine - see 3,4-MDA HCl	25
3,4-Methylenedioxy-methamphetamine - see 3,4-MDMA HCl	26
3,4-Methylenedioxy- <i>N</i> -ethylamphetamine - see 3,4-MDE HCl	25
3,4-Methylenedioxy- <i>N</i> -hydroxyamphetamine - see <i>N</i> -Hydroxy-MDA HCl	23
3,4-Methylenedioxy- <i>N</i> -propylamphetamine - see 3,4-MDPA HCl	26
4-Methylthioamphetamine HCl	29
Phenethylamine	34
3,4,5-Trimethoxyphenethylamine - see Mescaline HCl	26

### By PIHKAL (or alternate) abbreviation:

2C-B - see 4-Bromo-2,5-dimethoxyphenethylamine HCl	11
2C-C - see 4-Chloro-2,5-dimethoxyphenethylamine HCl	13
2C-I - see 4-Iodo-2,5-dimethoxyphenethylamine HCl	24
2C-T - see 2,5-Dimethoxy-4-methylthiophenethylamine HCl	17
2C-T-2 - see 2,5-Dimethoxy-4-ethylthiophenethylamine HCl	17
2C-T-4 - see 2,5-Dimethoxy-4-isopropylphenethylamine HCl	17
2C-T-7 - see 2,5-Dimethoxy-4- <i>n</i> -propylthiophenethylamine HCl	17
DOB - see 4-Bromo-2,5-dimethoxyamphetamine HBr	11
DOC - see 4-Chloro-2,5-dimethoxyamphetamine HCl	13
DOI - see 4-Iodo-2,5-dimethoxyamphetamine HCl	24
M - see Mescaline HCl	26
4-MA - see 4-Methoxyamphetamine HCl	28
MDA - see 3,4-MDA HCl	25
MDE - see 3,4-MDE HCl	25
MDMA - see 3,4-MDMA HCl	26
MDOH - see <i>N</i> -Hydroxy-MDA HCl	23
MDPR - see 3,4-MDPA HCl	26
MTA - see 4-Methylthioamphetamine HCl	29
PEA - see Phenethylamine	34
PMA - see 4-Methoxyamphetamine HCl	28
PMMA - see 4-Methoxymethamphetamine HCl	28

## Piperazines

BZP - see Benzylpiperazine	11	<i>m</i> CPP - see 1-(3-Chlorophenyl)piperazine	13	TFMPP - see Trifluoromethylphenylpiperazine	40
Benzylpiperazine	11	4-MeOPP - see 1-(4-Methoxyphenyl)piperazine	28	Trifluoromethylphenylpiperazine HCl	40
1-(3-Chlorophenyl)piperazine HCl	13	1-(4-Methoxyphenyl)piperazine di-HCl	28		

## Steroids/Hormones

1,4-Androstadien-3,17-dione	9	Clostebol	14	Nandrolone	30
4-Androstenediol	9	Dehydroepiandrosterone	15	19-Norepiandrosterone	31
Androstenedione	9	Dexamethasone	16	19-Noretiocholanolone	31
19-Norandrostenedione	31	Drostanolone	18	Norethandrolone	31
Androstanolone - see Stanolone	38	Epitestosterone	19	Oxandrolone	32
Androsterone	10	Epitestosterone Glucuronide	19	Oxymesterone	33
11 $\beta$ -Hydroxyandrosterone	22	Fluoxymesterone	20	Oxymetholone	33
11 $\beta$ -Hydroxyetiocholanolone	23	Hydrocortisone	22	Prednisolone	35
19-Norandrosterone	31	Medroxyprogesterone 17-Acetate	26	Prednisone	35
Boldenone	11	Mesterolone	27	Spironolactone	38
6 $\beta$ -Hydroxyboldenone	22	Methandriol	27	Stanolone	38
6 $\beta$ ,17 $\alpha$ -Hydroxyboldenone	22	Methandrostenolone	27	Stanolone Valerate	38
16 $\alpha$ -Hydroxyboldenone	22	6 $\beta$ -Hydroxymethandrostenolone	23	Stanozolol	38
16 $\beta$ -Hydroxyboldenone	22	Methyltestosterone	29	4 $\alpha$ -Hydroxystanozolol	23
16 $\alpha$ ,17 $\alpha$ -Hydroxyboldenone	22	17 $\alpha$ -Methylandrostan-3 $\alpha$ ,17 $\beta$ -diol	28	Testosterone	38
4-Chlorotestosterone Acetate	13			Testosterone Glucuronide	38

## THC Related Compounds

Cannabidiol	12	Dronabinol - see $\Delta$ -9-THC	39	$\Delta$ -1-Tetrahydrocannabinol - see $\Delta$ -9-THC	39
Cannabinol	12	<i>l</i> -11-Hydroxy- $\Delta$ -9-THC	24	$\Delta$ -8-THC	39
<i>l</i> -9-Carboxy-11-nor- $\Delta$ -9-THC	12	11-Nor-9-carboxy- $\Delta$ -9-tetrahydrocannabinol		$\Delta$ -6-Tetrahydrocannabinol - see $\Delta$ -8-THC	39
<i>dl</i> -9-Carboxy-11-nor- $\Delta$ -9-THC- <i>d</i> <sub>3</sub>	12	- see <i>l</i> -9-Carboxy-11-nor- $\Delta$ -9-THC	12	$\Delta$ -9-THC	39

## Tryptamines and Related Compounds

<i>N,N</i> -Diisopropyl-5-methoxytryptamine HCl	17
<i>N,N</i> -Diisopropyltryptamine HCl	17
<i>N,N</i> -Dimethyltryptamine	17
$\alpha$ ,O-Dimethylserotonin - see 5-Methoxy- $\alpha$ -methyltryptamine HCl	28
<i>N,N</i> -Dipropyltryptamine HCl	18
4-Hydroxy- <i>N,N</i> -dimethyltryptamine - see <i>Psilocyn</i>	37
4-Hydroxy- <i>N,N</i> -dimethyltryptamine Phosphate Ester - see <i>Psilocybin</i>	37
5-Hydroxyindole-3-acetic Acid	23
<i>d</i> -Lysergic Acid Diethylamide	25
<i>d</i> -Lysergic Acid <i>N,N</i> -Methylpropylamide	25
5-Methoxy- <i>N,N</i> -diisopropyltryptamine - see <i>N,N</i> -Diisopropyl-5-methoxytryptamine HCl	17
5-Methoxy- <i>N,N</i> -dimethyltryptamine	28
5-Methoxyindole-3-acetic Acid	28
5-Methoxy- $\alpha$ -methyltryptamine HCl	28
$\alpha$ -Methyltryptamine	29
Psilocybin	37
Psilocyn	37

### By TIHKAL (or alternate) abbreviation:

DIPT - see <i>N,N</i> -Diisopropyltryptamine HCl	17
$\alpha$ ,O-DMS - see 5-Methoxy- $\alpha$ -methyltryptamine HCl	28
DMT - see <i>N,N</i> -Dimethyltryptamine	17
DPT - see <i>N,N</i> -Dipropyltryptamine HCl	18
4-HO-DIPT - see 4-Hydroxy- <i>N,N</i> -diisopropyltryptamine HCl	23
4-HO-DMT - see <i>Psilocyn</i>	37
4-HO-DMT Phosphate Ester - see <i>Psilocybin</i>	37
LAMPA - see <i>d</i> -Lysergic Acid <i>N,N</i> -Methylpropylamide	25
LSD - see <i>d</i> -Lysergic Acid Diethylamide	25
5-MeO-AMT - see 5-Methoxy- $\alpha$ -methyltryptamine HCl	28
5-MeO-DIPT - see <i>N,N</i> -Diisopropyl-5-methoxytryptamine HCl	17
5-MeO-DMT - see 5-Methoxy- <i>N,N</i> -dimethyltryptamine	28
5-MeO-MIPT - see 5-Methoxy- <i>N</i> -methyl- <i>N</i> -isopropyltryptamine HCl	28
$\alpha$ -MT - see $\alpha$ -Methyltryptamine	29



# Grace Drug Standards

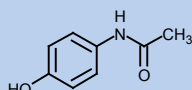
Refer to page five for ordering instructions

## Acetaminophen

*paracetamol; metabolite of phenacetin*

CAS#: 103-90-2 Schedule: N

Part No.	Qty.
01725	100mg
6017252 	10mg
6017253 	1mg

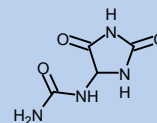


## Allantoin

*5-ureidohydantoin*

CAS#: 97-59-6 Schedule: N



Part No.	Qty.
01320	100mg

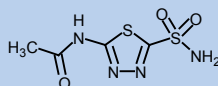


## Acetazolamide

*diuretic*

CAS#: 59-66-5 Schedule: N



Part No.	Qty.
01602	100mg
016022 	10mg
016023 	1mg

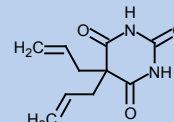


## Allobarbital

*5,5-diallylbarbituric acid*

CAS#: 52-43-7 Schedule: III



Part No.	Qty.
01167	25mg
6011672 	10mg
6011673 	1mg

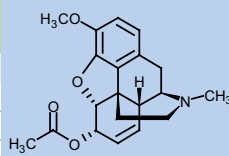


## 6-Acetylcodeine

*heroin impurity*

CAS#: 6703-27-1 Schedule: II



Part No.	Qty.
01480	10mg
014802 	10mg
014803 <sup>1</sup> 	1mg

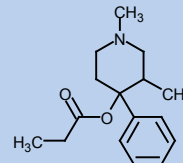


## dl-Alphaprodine HCl

*analgesic (narcotic)*

CAS#: 561-78-4 Schedule: II


Part No.	Qty.
01797	50mg
6017972 	10mg
6017973 	1mg

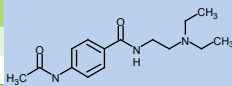


## N-Acetylprocainamide HCl

*acecainide; metabolite of procainamide*

CAS#: 34118-92-8 Schedule: N

Part No.	Qty.
01010	50mg
6010102 	10mg

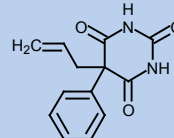


## Alphenal

*prophenal; 5-allyl-5-phenylbarbituric acid*

CAS#: 115-43-5 Schedule: III



Part No.	Qty.
01032	100mg
6010322 	10mg
6010323 	1mg

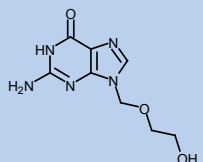


## Acyclovir

*antiviral*

CAS#: 59277-89-3 Schedule: N


Part No.	Qty.
01634	10mg
016342 	10mg
016343 	1mg

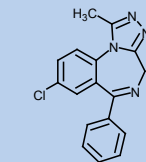


## Alprazolam

*sedative-hypnotic*

CAS#: 28981-97-7 Schedule: IV

Part No.	Qty.
01427	10mg
6014272 	10mg
014273 	250µg

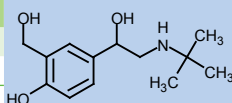


## Albuterol Hemisulfate

*salbutamol*

CAS#: 36519-31-0 Schedule: N



Part No.	Qty.
01583	50mg
015832 	10mg
015833 	1mg

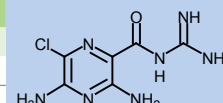


## Amiloride HCl Hydrate

*amipramizid; diuretic*

CAS#: 17440-83-4 Schedule: N

Part No.	Qty.
01603	10mg
016032 	10mg
016033 	1mg

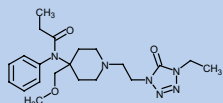


## Alfentanil HCl Hydrate

*analgesic; narcotic*

CAS#: 70879-28-6 Schedule: II

Part No.	Qty.
01876	10mg
018762 	10mg
018763 	1mg

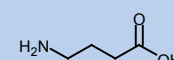



## 4-Aminobutyric Acid

*GABA; piperidic acid; GHB substitute*


CAS#: 56-12-2 Schedule: N

Part No.	Qty.
01656	100mg



 Dilute 'N Shoot'™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard


 Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.

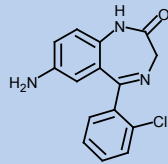


## 7-Aminoclonazepam

metabolite of clonazepam

CAS#: 4959-17-5 Schedule: N

Part No.	Qty.
01572	10mg
015722 	10mg
015723 <sup>1</sup> 	1mg





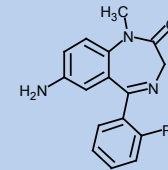
<sup>1</sup> Packaged in acetonitrile

## 7-Aminoflunitrazepam

metabolite of flunitrazepam

CAS#: 34084-50-9 Schedule: N

Part No.	Qty.
01573	10mg
015732 	10mg
015733 <sup>1</sup> 	1mg



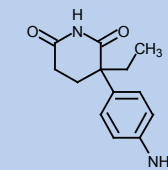
<sup>1</sup> Packaged in acetonitrile

## d/Aminoglutethimide

adrenocortical suppressant; antineoplastic

CAS#: 125-84-8 Schedule: N

Part No.	Qty.
01475	50mg

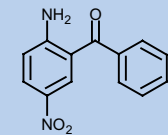


## 2-Amino-5-nitrobenzophenone

metabolite of nitrazepam

CAS#: 1775-95-7 Schedule: N



Part No.	Qty.
01305	100mg

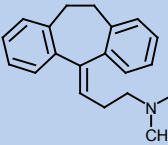


## Amitriptyline HCl

tricyclic antidepressant

CAS#: 549-18-8 Schedule: N



Part No.	Qty.
01775	100mg
6017752 	10mg
017753 	1mg

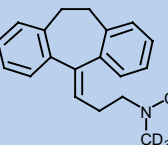


## Amitriptyline-d<sub>3</sub> HCl

deuterated internal standard

CAS#: 342611-00-1 Schedule: N


Part No.	Qty.
01900	10mg
6019002 	10mg
6019003 	1mg

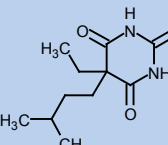



## Amobarbital

pentymal; 5-ethyl-5-isopentylbarbituric acid

CAS#: 57-43-2 Schedule: II

Part No.	Qty.
01039	100mg
010392 	10mg
010393 	1mg




 Dilute 'N Shoot' Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

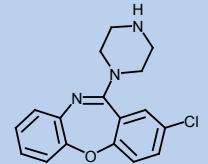
**N** Non-Scheduled Standard

## Amoxapine

metabolite of loxapine

CAS#: 14028-44-5 Schedule: N

Part No.	Qty.
01392	50mg
6013922 	10mg
6013923 	1mg

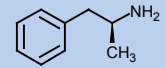


## d-Amphetamine HCl

stimulant (CNS); metabolite of methamphetamine

CAS#: 1462-73-3 Schedule: II


Part No.	Qty.
01002	100mg
010022 	10mg
010023 	1mg

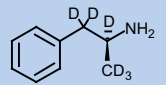


## d-Amphetamine-d<sub>6</sub>

deuterated internal standard

CAS#: 205437-60-1 Schedule: N


Part No.	Qty.
01914 	100µg

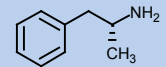


## l-Amphetamine HCl

anorexic; stimulant (CNS)

CAS#: 41820-21-7 Schedule: II

Part No.	Qty.
01492	25mg
014922 	10mg
014923 	1mg

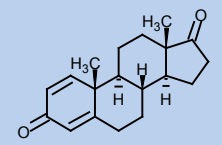


## 1,4-Androstadien-3,17-dione

prohormone - converts to boldenone

CAS#: 897-06-3 Schedule: N

Part No.	Qty.
01667	10mg
016672 	10mg
016673 	1mg

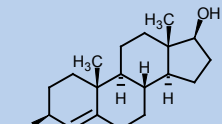


## 4-Androstenediol

prohormone - converts to testosterone

CAS#: 1156-92-9 Schedule: III

Part No.	Qty.
01665	10mg
016652 	10mg

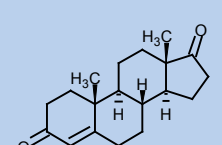



## Androstenedione

"Andro"; prohormone - converts to testosterone

CAS#: 63-05-8 Schedule: III

Part No.	Qty.
01664	50mg
016642 	10mg



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# Grace Drug Standards

Refer to page five for ordering instructions

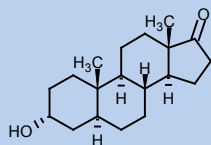
## Androsterone

**3 $\alpha$ -hydroxy-5 $\alpha$ -androstan-17-one**

**CAS#: 53-41-8**      **Schedule: N**

Part No.      Qty.

**01521**      10mg



## Barbital

**5,5-diethylbarbituric acid; metabolite of metharbital**

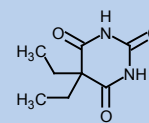
**CAS#: 57-44-3**      **Schedule: IV**

Part No.      Qty.

**01073**      100mg

**6010732**      10mg

**010733**      1mg



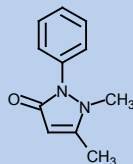
## Antipyrine

**phenazone; dimethoxyquinazine**

**CAS#: 60-80-0**      **Schedule: N**

Part No.      Qty.

**01701**      100mg



## Bendroflumethiazide

**diuretic; antihypertensive**

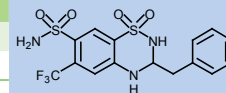
**CAS#: 73-48-3**      **Schedule: N**

Part No.      Qty.

**01604**      10mg

**016042**      10mg

**016043**      1mg



## Apomorphine HCl Hemihydrate

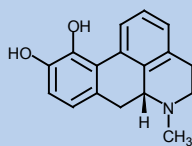
**10,11-dihydroxyaporphine**

**CAS#: 41372-20-7**      **Schedule: N**

Part No.      Qty.

**01849**      50mg

**018493**      1mg



## Benzocaine

**ethyl aminobenzoate**

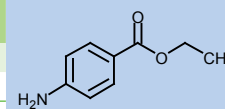
**CAS#: 94-09-7**      **Schedule: N**

Part No.      Qty.

**01425**      50mg

**6014252**      10mg

**6014253**      1mg



## Aprobarbital

**allylpropymal; 5-allyl-5-isopropylbarbituric acid**

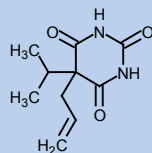
**CAS#: 77-02-1**      **Schedule: III**

Part No.      Qty.

**01055**      100mg

**6010552**      10mg

**010553**      1mg



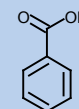
## Benzoic Acid

**metabolite of amphetamine/ephedrine/cocaine**

**CAS#: 65-85-0**      **Schedule: N**

Part No.      Qty.

**01307**      100mg



## Aspirin

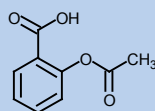
**acetylsalicylic acid**

**CAS#: 50-78-2**      **Schedule: N**

Part No.      Qty.

**01738**      100mg

**6017382**      10mg



## Benzoylcegonine (Anhydrous)

**metabolite of cocaine**

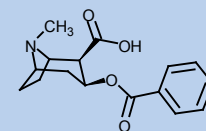
**CAS#: 519-09-5**      **Schedule: II**

Part No.      Qty.

**01538**      25mg

**015382**      10mg

**018203**      1mg



## Atenolol

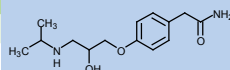
**antihypertensive; antianginal; antiarrhythmic**

**CAS#: 29122-68-7**      **Schedule: N**

Part No.      Qty.

**01474**      25mg

**6014742**      10mg



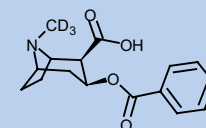
## Benzoylcegonine-d<sub>3</sub>

**deuterated internal standard**

**CAS#: 115732-68-8**      **Schedule: N**

Part No.      Qty.

**01911**      100 $\mu$ g



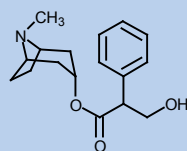
## Atropine Sulfate Monohydrate

**anticholinergic (ophthalmic)**

**CAS#: 5908-99-6**      **Schedule: N**

Part No.      Qty.

**01840**      50mg



## d-Benzphetamine HCl

**anorexic**

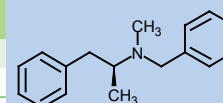
**CAS#: 5411-22-3**      **Schedule: III**

Part No.      Qty.

**01776**      100mg

**6017762**      10mg

**6017763**      1mg



Dilute 'N Shoot' Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.

for current product availability, contact customer service:

Ph: 1-847-282-2100 • Fax: 1-847-948-1078

## Benzylpiperazine (Liquid)

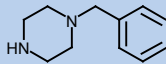
**BZP; abused drug; metabolite of piberaline**

**CAS#: 2759-28-6 Schedule: I**

Part No. Qty.

**01581** 100µL

**015813** ✓ 1mg



## Buprenorphine HCl

**analgesic (narcotic/opioid)**

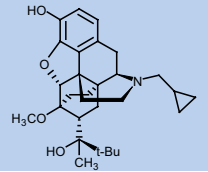
**CAS#: 53152-21-9 Schedule: III**

Part No. Qty.

**01651** 10mg

**016512** 💧 10mg

**016513** ✓ 1mg



## Boldenone

**dehydrotestosterone; anabolic steroid**

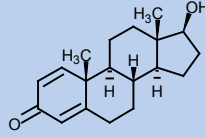
**CAS#: 846-48-0 Schedule: III**

Part No. Qty.

**01505** 50mg

**6015052** 💧 10mg

**6015053** ✓ 1mg



## Bupropion HCl

**antidepressant**

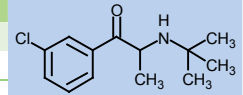
**CAS#: 31677-93-7 Schedule: N**

Part No. Qty.

**01548** 10mg

**6015482** 💧 10mg

**6015483** ✓ 1mg



## Bromazepam

**anxiolytic**

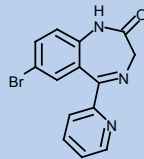
**CAS#: 1812-30-2 Schedule: IV**

Part No. Qty.

**01356** 50mg

**6013562** 💧 10mg

**6013563** ✓ 1mg



## Bupropion Hydroxy Metabolite HCl

**erythro-/threo-hydrobupropion**

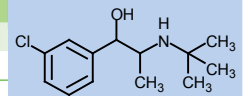
**Schedule: N**

Part No. Qty.

**01549** 10mg

**6015492** 💧 10mg

**6015493** ✓ 1mg



## 4-Bromo-2,5-dimethoxyamphetamine HBr

**DOB; abused drug**

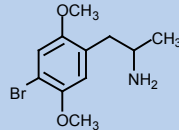
**CAS#: 53581-53-6 Schedule: I**

Part No. Qty.

**01619** 10mg

**016192** 💧 10mg

**016193** ✓ 1mg



## Buspirone HCl

**anxiolytic**

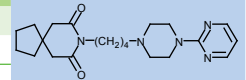
**CAS#: 33386-08-2 Schedule: N**

Part No. Qty.

**01593** 50mg

**015932** 💧 10mg

**015933** ✓ 1mg



## 4-Bromo-2,5-dimethoxyphenethylamine HCl

**2C-B; abused drug**

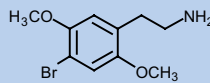
**CAS#: 56281-37-9 Schedule: I**

Part No. Qty.

**01570** 10mg

**015702** 💧 10mg

**015703** ✓ 1mg



## Butabarbital

**5-sec-butyl-5-ethylbarbituric acid**

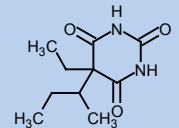
**CAS#: 125-40-6 Schedule: III**

Part No. Qty.

**01103** 100mg

**6011032** 💧 10mg

**011033** ✓ 1mg



## Brompheniramine Maleate

**antihistaminic**

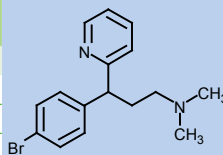
**CAS#: 980-71-2 Schedule: N**

Part No. Qty.

**01382** 100mg

**013822** 💧 10mg

**013823** ✓ 1mg



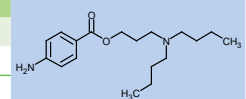
## Butacaine Hemisulfate

**3-dibutylaminopropyl-p-aminobenzoate**

**CAS#: 149-15-5 Schedule: N**

Part No. Qty.

**01429** 100mg



## Bumetanide

**diuretic**

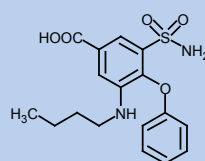
**CAS#: 28395-03-1 Schedule: N**

Part No. Qty.

**01605** 10mg

**016052** 💧 10mg

**016053** ✓ 1mg



## Butalbital

**5-allyl-5-isobutylbarbituric acid**

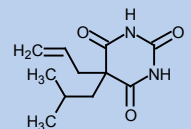
**CAS#: 77-26-9 Schedule: III**

Part No. Qty.

**01027** 100mg

**6010272** 💧 10mg

**010273** ✓ 1mg



💧 Dilute 'N Shoot™' Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

N Non-Scheduled Standard

✓ Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.

# Grace Drug Standards

Refer to page five for ordering instructions

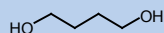
## 1,4-Butanediol

1,4-BD; GHB substitute

CAS#: 110-63-4 Schedule: N

Part No. Qty.

01669 500µL



## Captopril

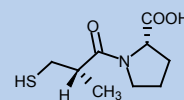
antihypertensive

CAS#: 62571-86-2 Schedule: N

Part No. Qty.

01584 50mg

015842 10mg



## Butethal

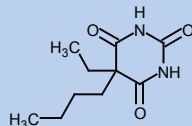
butobarbital; 5-butyl-5-ethylbarbituric acid

CAS#: 77-28-1 Schedule: III

Part No. Qty.

01104 100mg

6011042 10mg



## Carbamazepine

analgesic; anticonvulsant

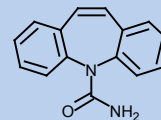
CAS#: 298-46-4 Schedule: N

Part No. Qty.

01788 50mg

6017882 10mg

6017883 1mg



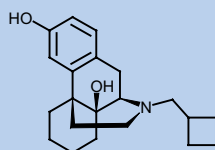
## Butorphanol Tartrate

analgesic; narcotic

CAS#: 58786-99-5 Schedule: N

Part No. Qty.

016933 1mg



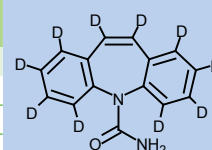
## Carbamazepine-d<sub>10</sub>

deuterated internal standard

CAS#: 132183-78-9 Schedule: N

Part No. Qty.

019293 100µg



## γ-Butyrolactone

GBL; 1,2-butanolide; GHB precursor/substitute

CAS#: 96-48-0 Schedule: N

Part No. Qty.

01653 500µL



## Carbamazepine-10,11-epoxide

metabolite of carbamazepine

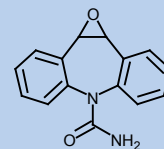
CAS#: 36507-30-9 Schedule: N

Part No. Qty.

01346 10mg

6013462 10mg

6013463 1mg



## Caffeine

stimulant (CNS)

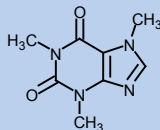
CAS#: 58-08-2 Schedule: N

Part No. Qty.

01728 100mg

6017282 10mg

017283 1mg



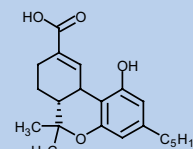
## l-9-Carboxy-11-nor-Δ-9-THC

metabolite of Δ-9-THC

CAS#: 56354-06-4 Schedule: N

Part No. Qty.

01422 100µg



## Cannabidiol

marijuana constituent

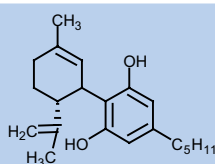
CAS#: 13956-29-1 Schedule: I

Part No. Qty.

01389 10mg

6013892 10mg

013893 1mg



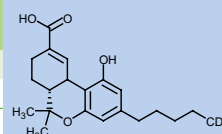
## dl-9-Carboxy-11-nor-Δ-9-THC-d<sub>3</sub>

deuterated internal standard

CAS#: 113269-48-0 Schedule: N

Part No. Qty.

01910 100µg



## Cannabinol

marijuana constituent

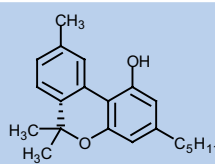
CAS#: 521-35-7 Schedule: I

Part No. Qty.

01388 10mg

6013882 10mg

013883 1mg



## Carbromal

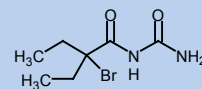
sedative-hypnotic

CAS#: 77-65-6 Schedule: N

Part No. Qty.

01729 100mg

6017292 10mg



☑ Dilute 'N Shoot'™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

N Non-Scheduled Standard

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for current product availability, contact customer service:

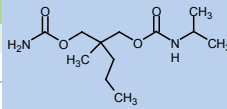
Ph: 1-847-282-2100 • Fax: 1-847-948-1078

## Carisoprodol

*relaxant (skeletal muscle)*

**CAS#: 78-44-4**      **Schedule: N**

Part No.	Qty.
01375	100mg
6013752	10mg
6013753	1mg

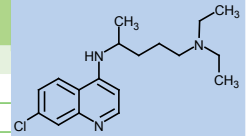


## Chloroquine Diphosphate Hydrate

*antimalarial; antiamebic*

**CAS#: 50-63-5**      **Schedule: N**

Part No.	Qty.
01702	100mg

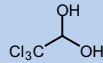


## Chloral Hydrate

*sedative-hypnotic*

**CAS#: 302-17-0**      **Schedule: IV**

Part No.	Qty.
01836	50mg

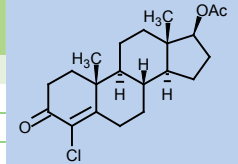


## 4-Chlorotestosterone Acetate

*clostebol acetate; anabolic steroid*

**CAS#: 855-19-6**      **Schedule: III**

Part No.	Qty.
01489	50mg
6014892	10mg
6014893	1mg

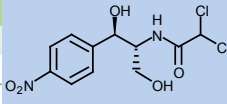


## Chloramphenicol

*antibacterial; antirickettsial*

**CAS#: 56-75-7**      **Schedule: N**

Part No.	Qty.
01255	100mg
6012552	10mg

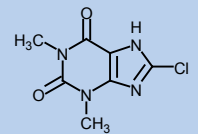


## 8-Chlorotheophylline

*internal standard for theophylline*

**CAS#: 85-18-7**      **Schedule: N**

Part No.	Qty.
01014	100mg

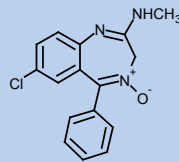


## Chlordiazepoxide HCl

*clonazepam; sedative-hypnotic*

**CAS#: 438-41-5**      **Schedule: IV**

Part No.	Qty.
01719	100mg
017192	10mg

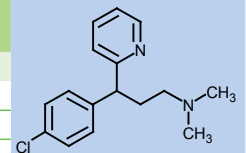


## Chlorpheniramine Maleate

*antihistaminic*

**CAS#: 113-92-8**      **Schedule: N**

Part No.	Qty.
01703	100mg
6017032	10mg
6017033	1mg

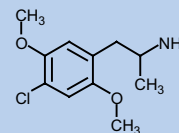


## 4-Chloro-2,5-dimethoxyamphetamine HCl

*DOC; abused drug*

**CAS#: 123431-31-2**      **Schedule: N**

Part No.	Qty.
01697	10mg
016972	10mg
016973	1mg

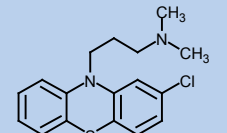


## Chlorpromazine HCl

*antiemetic; antipsychotic*

**CAS#: 69-09-0**      **Schedule: N**

Part No.	Qty.
01720	50mg
6017202	10mg
6017203	1mg

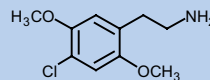


## 4-Chloro-2,5-dimethoxyphenethylamine HCl

*2C-C; abused drug*

**CAS#: 88441-14-9**      **Schedule: N**

Part No.	Qty.
01662	10mg
016622	10mg
016623	1mg

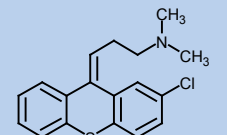


## Chlorprothixene HCl

*antipsychotic*

**CAS#: 6469-93-8**      **Schedule: N**

Part No.	Qty.
01450	25mg

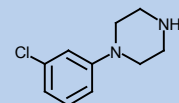


## 1-(3-Chlorophenyl)piperazine HCl

*mCPP; metabolite of trazodone/mepiprazol*

**CAS#: 13078-15-4**      **Schedule: N**

Part No.	Qty.
01655	10mg

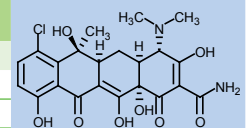


## Chlortetracycline HCl

*antibacterial; antiprotozoal*

**CAS#: 64-72-2**      **Schedule: N**

Part No.	Qty.
01259	100mg



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N Non-Scheduled Standard

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# Grace Drug Standards

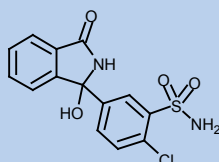
Refer to page five for ordering instructions

## Chlorthalidone

diuretic; antihypertensive

CAS#: 77-36-1 Schedule: N

Part No.	Qty.
01430	100mg

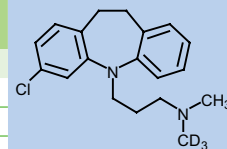


## Clomipramine-d<sub>3</sub> HCl

deuterated internal standard

CAS#: 136765-29-2 Schedule: N

Part No.	Qty.
01901	10mg
6019012	10mg
019013	100µg

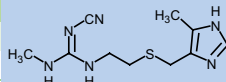


## Cimetidine

antiulcerative

CAS#: 51481-61-9 Schedule: N

Part No.	Qty.
01426	50mg
6014262	10mg
6014263	1mg

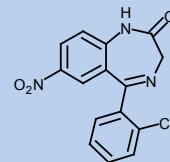


## Clonazepam

anticonvulsant

CAS#: 1622-61-3 Schedule: IV

Part No.	Qty.
01794	50mg
6017942	10mg
017943	1mg

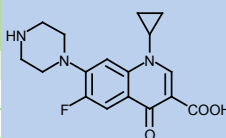


## Ciprofloxacin HCl Monohydrate

antibacterial

CAS#: 86393-32-0 Schedule: N

Part No.	Qty.
01635	10mg
016352	10mg
016353	1mg

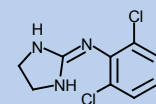


## Clonidine HCl

antihypertensive

CAS#: 4205-91-8 Schedule: N

Part No.	Qty.
01402	25mg
6014022	10mg
6014023	1mg

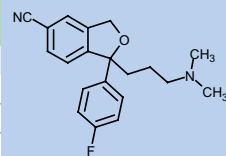


## Citalopram HBr

antidepressant

CAS#: 59729-32-7 Schedule: N

Part No.	Qty.
01678	10mg
016782	10mg
016783	1mg

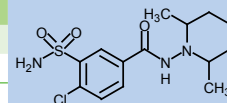


## Cloпамide

diuretic; antihypertensive

CAS#: 636-54-4 Schedule: N

Part No.	Qty.
01606	10mg
016062	10mg
016063	1mg

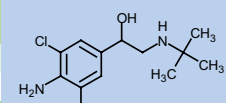


## Clenbuterol HCl

bronchodilator

CAS#: 21898-19-1 Schedule: N

Part No.	Qty.
01680	10mg
0167802	10mg
0167803	1mg

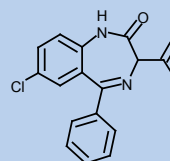


## Clorazepate Dipotassium

anxiolytic

CAS#: 57109-90-7 Schedule: IV

Part No.	Qty.
01554	10mg
6015542	10mg
6015543	1mg

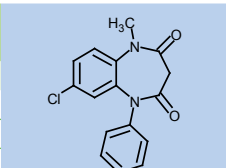


## Clobazam

anxiolytic; anticonvulsant

CAS#: 22316-47-8 Schedule: IV

Part No.	Qty.
01575	10mg
015752	10mg
015753	1mg

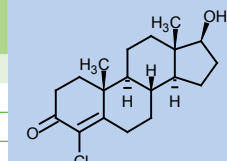


## Clostebol

4-chlorotestosterone; anabolic steroid

CAS#: 1093-58-9 Schedule: III

Part No.	Qty.
01510	10mg
6015102	10mg
6015103	1mg

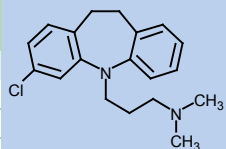


## Clomipramine HCl

tricyclic antidepressant

CAS#: 17321-77-6 Schedule: N

Part No.	Qty.
01461	50mg
6014612	10mg
6014613	1mg

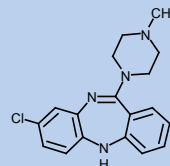


## Clozapine

antipsychotic

CAS#: 5786-21-0 Schedule: N

Part No.	Qty.
01621	10mg
016212	10mg
016213	1mg



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for current product availability, contact customer service:

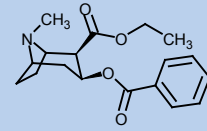
Ph: 1-847-282-2100 • Fax: 1-847-948-1078

## Cocaethylene

*cocaine:alcohol metabolite*

**CAS#: 529-38-4**      **Schedule: II**

Part No.	Qty.
01536	10mg
6015362 	10mg
6015363 <sup>1</sup> 	1mg



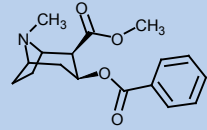
<sup>1</sup> Packaged in acetonitrile

## *l*-Cocaine HCl

*anesthetic (topical); abused drug*

**CAS#: 53-21-4**      **Schedule: II**


Part No.	Qty.
01800	50mg
018002 	10mg
018003 	1mg

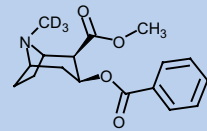


## *l*-Cocaine-*d*<sub>3</sub> HCl

*deuterated internal standard*

**CAS#: 65266-73-1**      **Schedule: N**

Part No.	Qty.
019233 	100µg

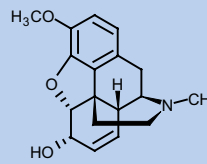


## Codeine

*analgesic (narcotic); opium constituent*

**CAS#: 76-57-3**      **Schedule: II**


Part No.	Qty.
01801	50mg
018012 	10mg
018013 	1mg

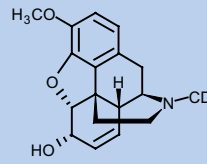


## Codeine-*d*<sub>3</sub>

*deuterated internal standard*

**CAS#: 70420-71-2**      **Schedule: N**

Part No.	Qty.
01913 	100µg

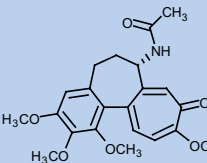


## Colchicine

*suppressant (gout)*

**CAS#: 64-86-8**      **Schedule: N**


Part No.	Qty.
01214	100mg

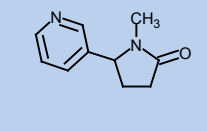



## *l*-Cotinine

*metabolite of nicotine*

**CAS#: 486-56-6**      **Schedule: N**

Part No.	Qty.
01419	100mg
6014192 	10mg
6014193 	1mg



 Dilute 'N Shoot™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

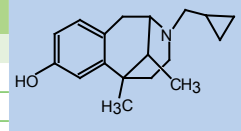
**N** Non-Scheduled Standard

## Cyclazocine

*analgesic; narcotic antagonist*

**CAS#: 3572-80-3**      **Schedule: N**

Part No.	Qty.
01790	50mg
6017902 	10mg

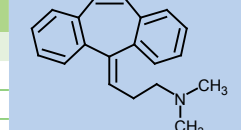


## Cyclobenzaprine HCl

*proheptatriene; relaxant (muscle)*

**CAS#: 6202-23-9**      **Schedule: N**


Part No.	Qty.
01607	10mg
016072 	10mg
016073 	1mg

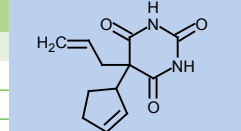


## Cyclopentobarbital

*5-allyl-5-(2-cyclopentenyl)barbituric acid*

**CAS#: 76-68-6**      **Schedule: III**

Part No.	Qty.
01627	100mg
6016272 	10mg
6016273 	1mg

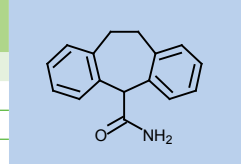


## Cyheptamide

*anticonvulsant*

**CAS#: 7199-29-3**      **Schedule: N**


Part No.	Qty.
01288	10mg
6012882 	10mg
012883 	1mg

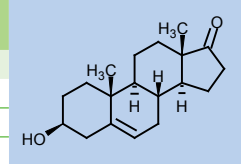


## Dehydroepiandrosterone

*DHEA; prasterone; androgen*

**CAS#: 53-43-0**      **Schedule: N**

Part No.	Qty.
01668	50mg
016682 	10mg
016683 	100µg

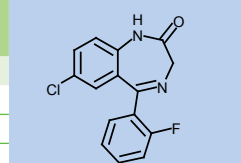


## Desalkylflurazepam

*metabolite of flurazepam*

**CAS#: 2886-65-9**      **Schedule: N**

Part No.	Qty.
01342	10mg
6013422 	10mg
6013423 	1mg

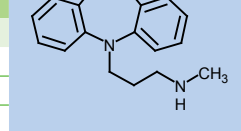



## Desipramine HCl

*antidepressant; metabolite of imipramine*

**CAS#: 58-28-6**      **Schedule: N**

Part No.	Qty.
01361	50mg
6013612 	10mg
6013613 	1mg



 Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.


# Grace Drug Standards

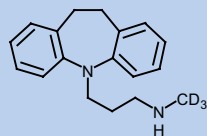
Refer to page five for ordering instructions

## Desipramine-d<sub>3</sub> HCl

*deuterated internal standard*

CAS#: 58-28-6 Schedule: N



Part No.	Qty.
01903	10mg
6019032 	10mg
019033 	100µg

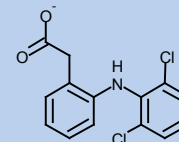


## Diclofenac Sodium

*anti-inflammatory*

CAS#: 15307-79-6 Schedule: N


Part No.	Qty.
01608	100mg
016082 	10mg
016083 	1mg

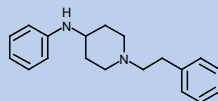


## Despropionyl Fentanyl

*metabolite of fentanyl*

Schedule: N

Part No.	Qty.
014993 	100µg

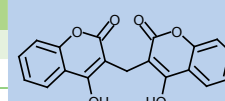


## Dicumarol

*bishydroxycoumarin; anticoagulant*

CAS#: 66-76-2 Schedule: N



Part No.	Qty.
01238	100mg

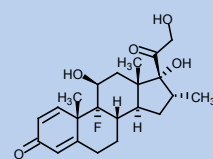


## Dexamethasone

*glucocorticoid; anti-inflammatory*

CAS#: 50-02-2 Schedule: N


Part No.	Qty.
01639	10mg
016392 	10mg
016393 	1mg

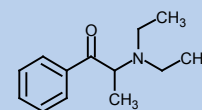


## Diethylpropion HCl

*anorexic*

CAS#: 134-80-5 Schedule: IV

Part No.	Qty.
01493	10mg
6014932 	10mg

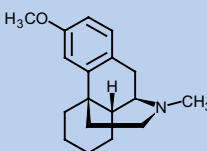


## Dextromethorphan HBr Monohydrate

*DXM; antitussive; abused drug*

CAS#: 125-69-9 Schedule: N

Part No.	Qty.
01837	50mg
6018372 	10mg
6018373 	1mg

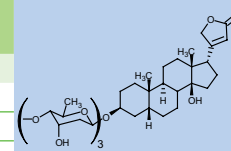


## Digitoxin

*cardiotonic*

CAS#: 71-63-6 Schedule: N

Part No.	Qty.
01260	100mg

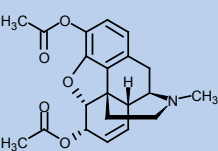


## Diacetylmorphine HCl Monohydrate

*diamorphine; heroin; abused drug*

CAS#: 1502-95-0 Schedule: I

Part No.	Qty.
01365	10mg
013652 	10mg
013653 	1mg

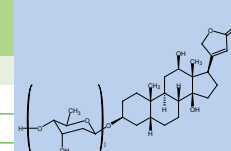


## Digoxin

*cardiotonic*

CAS#: 20830-75-5 Schedule: N



Part No.	Qty.
01237	50mg

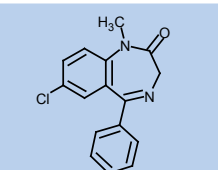


## Diazepam

*anxiolytic; metabolite of medazepam*

CAS#: 439-14-5 Schedule: IV

Part No.	Qty.
01721	100mg
6017212 	10mg
017213 	1mg

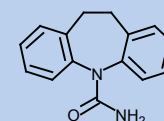


## 10,11-Dihydrocarbamazepine

*internal standard for carbamazepine*

CAS#: 3564-73-6 Schedule: N

Part No.	Qty.
01215	50mg
6012152 	10mg

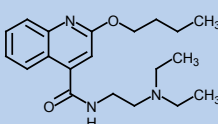


## Dibucaine HCl

*anesthetic (local)*

CAS#: 61-12-1 Schedule: N



Part No.	Qty.
01424	50mg

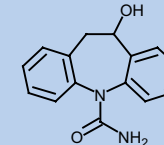



## 10,11-Dihydro-10-hydroxycarbamazepine

*Mono-hydroxycarbamazepine*

CAS#: 29331-92-8 Schedule: N


Part No.	Qty.
01652	10mg
016522 	10mg
016523 <sup>2</sup> 	1mg



 Dilute 'N Shoot' Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

<sup>2</sup> Packaged in chloroform

 Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.

for current product availability, contact customer service:

Ph: 1-847-282-2100 • Fax: 1-847-948-1078

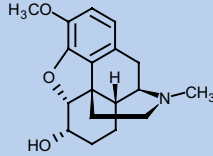


## Dihydrocodeine Bitartrate

*analgesic (narcotic); antitussive*

CAS#: 5965-13-9 Schedule: II



Part No.	Qty.
01777	50mg
017772 	10mg
017773 	1mg

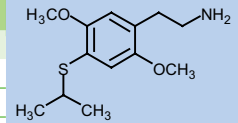


## 2,5-Dimethoxy-4-isopropylthiophenethylamine HCl

*2C-T-4, abused drug*

CAS#: 207740-25-8 Schedule: I

Part No.	Qty.
01684	10mg
016842 	10mg
016843 	1mg

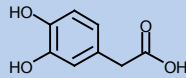


## 3,4-Dihydroxyphenylacetic Acid

*metabolite of catecholamines*

CAS#: 102-32-9 Schedule: N



Part No.	Qty.
01283	100mg

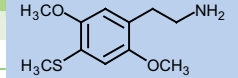


## 2,5-Dimethoxy-4-methylthiophenethylamine HCl

*2C-T, abused drug*

CAS#: 61638-09-3 Schedule: N

Part No.	Qty.
01670	10mg
016702 	10mg
016703 	1mg

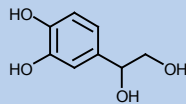


## 3,4-Dihydroxyphenylglycol

*metabolite of catecholamines*

CAS#: 3343-19-9 Schedule: N


Part No.	Qty.
01296	10mg

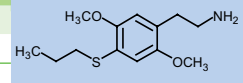


## 2,5-Dimethoxy-4-n-propylthiophenethylamine HCl

*2C-T-7, abused drug*

CAS#: 207740-26-9 Schedule: I



Part No.	Qty.
01646	10mg
016462 	10mg
016463 	1mg

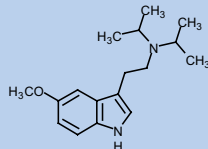


## N,N-Diisopropyl-5-methoxytryptamine HCl

*5-MeO-DiPT; Foxy; abused drug*

CAS#: 2426-63-3 Schedule: I

Part No.	Qty.
01649	10mg
016492 	10mg
016493 	1mg

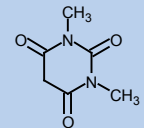


## 1,3-Dimethylbarbituric Acid

*internal standard for barbiturates*

CAS#: 769-42-6 Schedule: N



Part No.	Qty.
01261	100mg
6012612 	10mg

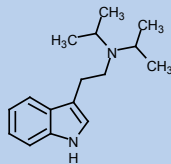


## N,N-Diisopropyltryptamine HCl

*DiPT; abused drug*

CAS#: 67292-67-5 Schedule: N

Part No.	Qty.
01673	10mg
016732 	10mg
016733 	1mg

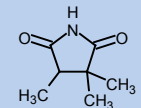


## α,α-Dimethyl-β-methylsuccinimide

*internal standard for ethosuximide*

CAS#: 61748-86-5 Schedule: N



Part No.	Qty.
01219	100mg
6012192 	10mg

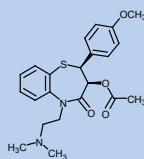


## (+)-cis-Diltiazem HCl

*antianginal; antihypertensive; antiarrhythmic*

CAS#: 33286-22-5 Schedule: N


Part No.	Qty.
01585	50mg
015852 	10mg
015853 	1mg

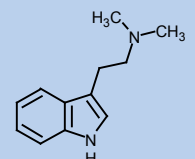


## N,N-Dimethyltryptamine

*DMT; abused drug*

CAS#: 61-50-7 Schedule: I

Part No.	Qty.
01367	25mg
6013672 	10mg
6013673 	1mg

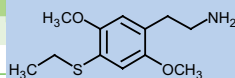


## 2,5-Dimethoxy-4-ethylthiophenethylamine HCl

*2C-T-2, abused drug*

CAS#: 207740-24-7 Schedule: N



Part No.	Qty.
01671	10mg
016712 	10mg
016713 	1mg

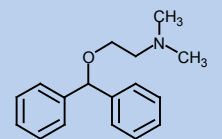



## Diphenhydramine HCl

*benzhydramine; antihistaminic*


CAS#: 147-24-0 Schedule: N

Part No.	Qty.
01705	100mg
6017052 	10mg
6017053 	1mg



 Dilute 'N Shoot' Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

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# Grace Drug Standards

Refer to page five for ordering instructions

## Diphenoxylate HCl


*antiperistaltic*

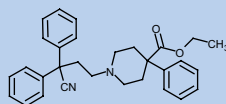
CAS#: 3810-80-8 Schedule: II

Part No. Qty.

01597 10mg

015972  10mg

015973  1mg



## Doxylamine Succinate

*antihistaminic; hypnotic*

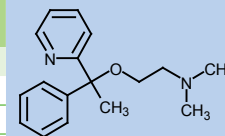
CAS#: 562-10-7 Schedule: N

Part No. Qty.

01418 50mg

6014182  10mg

6014183  1mg



## N,N-Dipropyltryptamine HCl

*DPT; abused drug*

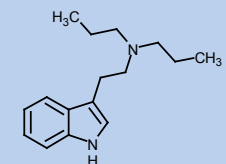
CAS#: 16382-06-2 Schedule: N

Part No. Qty.

01672 10mg

016722  10mg

016723  1mg



## Drostanolone

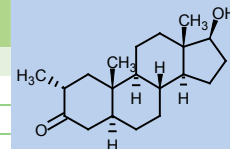
*dromostanolone; antineoplastic*

CAS#: 58-19-5 Schedule: III

Part No. Qty.

01526 10mg

6015262  10mg



## Disopyramide

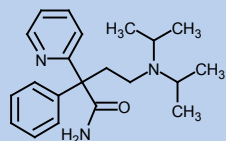
*cardiac depressant (antiarrhythmic)*

CAS#: 3737-09-5 Schedule: N

Part No. Qty.

01379 50mg

6013792  10mg



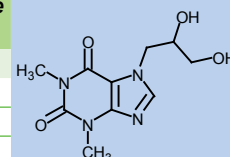
## Dyphylline

*bronchodilator; internal standard for theophylline*

CAS#: 479-18-5 Schedule: N

Part No. Qty.

01792 50mg



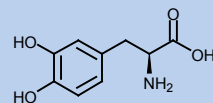
## L-DOPA

*antiparkinsonian*

CAS#: 59-92-7 Schedule: N

Part No. Qty.

01282 100mg



## Ecgonine HCl

*metabolite of cocaine*

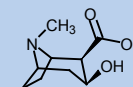
CAS#: 5796-31-6 Schedule: II

Part No. Qty.

01821 10mg

018212  10mg

018213  1mg



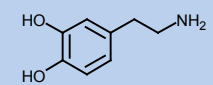
## Dopamine HCl

*adrenergic; cardiotoxic; antihypertensive*

CAS#: 62-31-7 Schedule: N

Part No. Qty.

01299 100mg



## Ecgonine Methyl Ester HCl Monohydrate

*metabolite of cocaine*

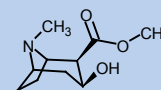
CAS#: 38969-40-3 Schedule: II

Part No. Qty.

01455 10mg

014552  10mg

014553  1mg



## Doxepin HCl

*tricyclic antidepressant*

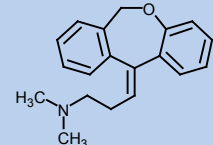
CAS#: 1229-29-4 Schedule: N

Part No. Qty.

01362 50mg

6013622  10mg

6013623  1mg



## Enalapril Maleate

*antihypertensive*

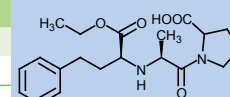
CAS#: 76095-16-4 Schedule: N

Part No. Qty.

01586 10mg

015862  10mg

015863  1mg



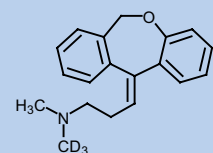
## Doxepin-d<sub>3</sub>

*deuterated internal standard*

CAS#: 347840-07-7 Schedule: N

Part No. Qty.

019303  100µg



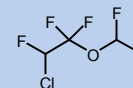
## Enflurane


*anesthetic (inhalation)*

CAS#: 13838-16-9 Schedule: N


Part No. Qty.

01393 500µL



 Dilute 'N Shoot' Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

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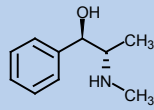
for current product availability, contact customer service:

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## *l*-Ephedrine

*bronchodilator*

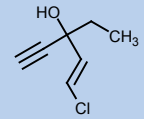
CAS#: 299-42-3	Schedule: I
Part No.	Qty.
01740	100mg
6017402	10mg
017403	1mg



## Ethchlorvynol (Liquid)

*sedative-hypnotic*

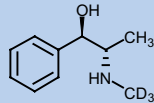
CAS#: 113-18-8	Schedule: IV
Part No.	Qty.
01733	100µL
017333	1mg



## *l*-Ephedrine-*d*<sub>3</sub>

*deuterated internal standard*

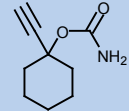
CAS#: 285979-72-8	Schedule: N
Part No.	Qty.
019253	100µg



## Ethinamate

*sedative-hypnotic*

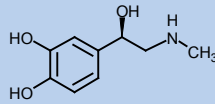
CAS#: 126-52-3	Schedule: IV
Part No.	Qty.
01706	50mg
6017062	10mg
6017063	1mg



## *l*-Epinephrine

*bronchodilator; cardiostimulant*

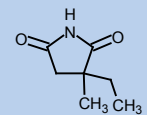
CAS#: 51-43-4	Schedule: N
Part No.	Qty.
01245	100mg



## Ethosuximide

*anticonvulsant*

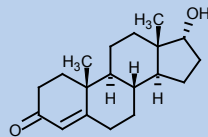
CAS#: 77-67-8	Schedule: N
Part No.	Qty.
01845	50mg
6018452	10mg
018453	1mg



## Epitestosterone

*anabolic steroid*

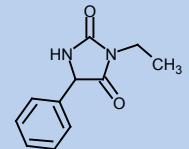
CAS#: 481-30-1	Schedule: N
Part No.	Qty.
01517	10mg
6015172	10mg
6015173	1mg



## Ethotoin

*anticonvulsant*

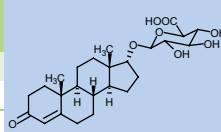
CAS#: 86-35-1	Schedule: N
Part No.	Qty.
01359	50mg
6013592	10mg
6013593	1mg



## Epitestosterone Glucuronide

*metabolite of epitestosterone*

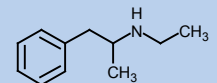
CAS#: 16996-33-1	Schedule: N
Part No.	Qty.
601558	10µg



## *dl*-*N*-Ethylamphetamine HCl

*anorexic*

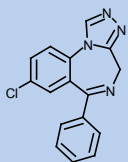
CAS#: 16105-78-5	Schedule: I
Part No.	Qty.
01496	10mg
014962	10mg
014963	1mg



## Estazolam

*sedative-hypnotic*

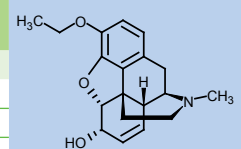
CAS#: 29975-16-4	Schedule: N
Part No.	Qty.
601560	100µg



## Ethylmorphine HCl Dihydrate

*antitussive; internal standard for opiates*

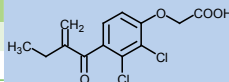
CAS#: 125-30-4	Schedule: II
Part No.	Qty.
01805	50mg
018052	10mg
018053	1mg



## Ethacrynic Acid

*diuretic*

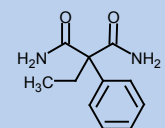
CAS#: 58-54-8	Schedule: N
Part No.	Qty.
01609	100mg
016092	10mg
016093	1mg



## 2-Ethyl-2-phenylmalonamide Monohydrate

*PEMA; metabolite of primidone/phenobarbital*

CAS#: 80866-90-6	Schedule: N
Part No.	Qty.
01222	100mg



Dilute 'N Shoot™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

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# Grace Drug Standards

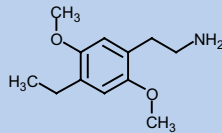
Refer to page five for ordering instructions

## 4-Ethyl-2,5-dimethoxyphenethylamine HCl

*2C-E, abused drug*

CAS#: 71539-34-9 Schedule: I

Part No.	Qty.
01683	10mg
016832 	10mg
016833 	1mg

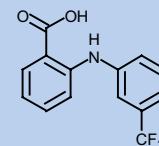


## Flufenamic Acid

*anti-inflammatory; analgesic*

CAS#: 530-78-9 Schedule: N

Part No.	Qty.
01316	100mg

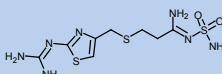


## Famotidine

*antiulcerative*

CAS#: 76824-35-6 Schedule: N


Part No.	Qty.
01587	10mg
015872 	10mg
015873 	1mg

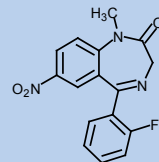


## Flunitrazepam

*sedative-hypnotic; abused drug*

CAS#: 1622-62-4 Schedule: IV



Part No.	Qty.
01512	50mg
6015122 	10mg
6015123 	1mg

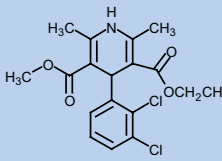


## Felodipine

*antihypertensive; antianginal*

CAS#: 72509-76-3 Schedule: N

Part No.	Qty.
01598	10mg
015982 	10mg
015983 	1mg

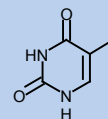


## 5-Fluorouracil

*antineoplastic*

CAS#: 51-21-8 Schedule: N


Part No.	Qty.
01266	100mg

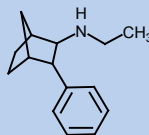


## Fencamfamin HCl

*stimulant (CNS)*

CAS#: 2240-14-4 Schedule: IV

Part No.	Qty.
01200	100mg
6012002 	10mg

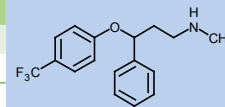


## Fluoxetine HCl

*antidepressant*

CAS#: 59333-67-4 Schedule: N

Part No.	Qty.
01530	10mg
015302 	10mg
015303 	1mg

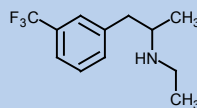


## Fenfluramine HCl

*anorexic*

CAS#: 404-82-0 Schedule: IV


Part No.	Qty.
01798	50mg
6017982 	10mg
6017983 	1mg

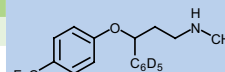


## Fluoxetine-d<sub>5</sub>

*deuterated internal standard*

Schedule: N


Part No.	Qty.
019323 	100µg

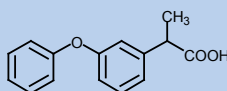


## Fenoprofen Sodium Dihydrate

*anti-inflammatory; analgesic*

CAS#: 66424-46-2 Schedule: N

Part No.	Qty.
01495	10mg
6014952 	10mg

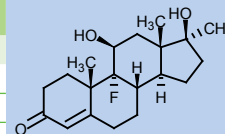


## Fluoxymesterone

*androgen*

CAS#: 76-43-7 Schedule: III

Part No.	Qty.
01482	50mg
6014822 	10mg

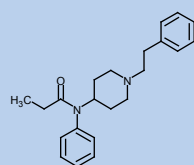


## Fentanyl Citrate

*analgesic (narcotic); abused drug*

CAS#: 990-73-8 Schedule: II

Part No.	Qty.
01399	10mg
013992 	10mg
013993 	25µg

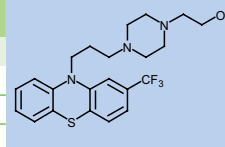



## Fluphenazine di-HCl

*antipsychotic*


CAS#: 146-56-5 Schedule: N

Part No.	Qty.
01452	25mg
6014522 	10mg



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**N** Non-Scheduled Standard

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for current product availability, contact customer service:

Ph: 1-847-282-2100 • Fax: 1-847-948-1078

# Grace Chromatographic Certified Reference Standards

Refer to page three for ordering instructions.

## Flurazepam di-HCl

*sedative-hypnotic*

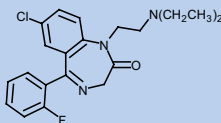
CAS#: 1172-18-5 Schedule: IV

Part No. Qty.

01795 50mg

6017952  10mg

017953  1mg



## Glutethimide

*sedative-hypnotic*

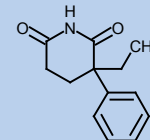
CAS#: 77-21-4 Schedule: II

Part No. Qty.

01707 50mg

6017072  10mg

017073  1mg



## Flurbiprofen

*analgesic; anti-inflammatory*

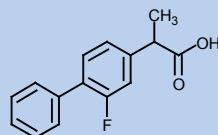
CAS#: 5104-49-4 Schedule: N

Part No. Qty.

01674 50mg

016742  10mg

016743  1mg



## Glyburide

*antidiabetic*

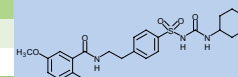
CAS#: 10238-21-8 Schedule: N

Part No. Qty.

01611 100mg

016112  10mg

016113  1mg



## Fluvoxamine Maleate


*antidepressant*

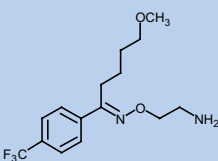
CAS#: 61718-82-9 Schedule: N

Part No. Qty.

01676 10mg

016762  10mg

016763  1mg




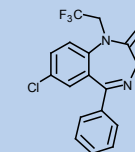
## Halazepam

*sedative-hypnotic*

CAS#: 23092-17-3 Schedule: N

Part No. Qty.

014083  1mg



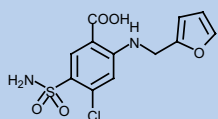
## Furosemide

*diuretic; antihypertensive*

CAS#: 54-31-9 Schedule: N

Part No. Qty.

01432 100mg



## Haloperidol

*antipsychotic*

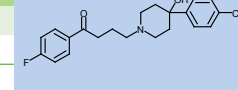
CAS#: 52-86-8 Schedule: N

Part No. Qty.

01380 100mg

6013802  10mg

6013803  1mg



## Gabapentin


*anticonvulsant*

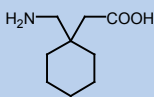
CAS#: 60142-96-3 Schedule: N

Part No. Qty.

01576 10mg

015762  10mg

015763  1mg



## Halothane

*anesthetic (inhalation)*

CAS#: 151-67-7 Schedule: N

Part No. Qty.

01786 500µL



## Gemfibrozil

*antihyperlipidemic*

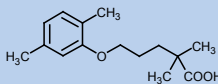
CAS#: 25812-30-0 Schedule: N

Part No. Qty.

01589 50mg

015892  10mg

015893  1mg



## Hexobarbital

*sedative-hypnotic; anesthetic (intravenous)*

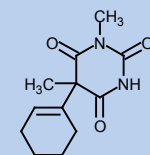
CAS#: 56-29-1 Schedule: III

Part No. Qty.

01330 100mg

6013302  10mg

013303  1mg



## Glipizide

*antidiabetic*

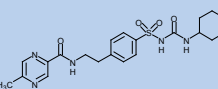
CAS#: 29094-61-9 Schedule: N

Part No. Qty.

01610 10mg

016102  10mg

016103  1mg



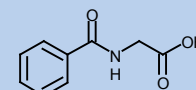
## Hippuric Acid


*marker for toluene exposure*

CAS#: 495-69-2 Schedule: N


Part No. Qty.

01309 100mg



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N

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# Grace Drug Standards

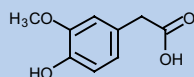
Refer to page five for ordering instructions

## Homovanillic Acid

metabolite of catecholamines

CAS#: 306-08-1 Schedule: N

Part No.	Qty.
01268	100mg

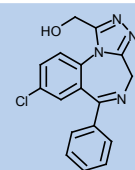


## $\alpha$ -Hydroxyalprazolam

metabolite of alprazolam

CAS#: 37115-43-8 Schedule: N

Part No.	Qty.
01545 ✓	100 $\mu$ g

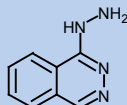


## Hydralazine HCl

antihypertensive

CAS#: 304-20-1 Schedule: N

Part No.	Qty.
01401	100mg
6014012 💧	10mg

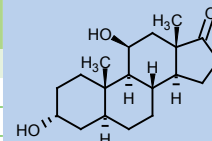


## 11 $\beta$ -Hydroxyandrosterone

metabolite of androsterone

CAS#: 57-61-4 Schedule: N

Part No.	Qty.
01519	10mg

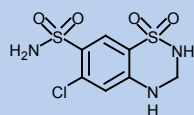


## Hydrochlorothiazide

diuretic

CAS#: 58-93-5 Schedule: N

Part No.	Qty.
01590	100mg
015902 💧	10mg
015903 ✓	1mg

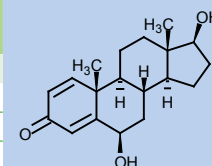


## 6 $\beta$ -Hydroxyboldenone

metabolite of boldenone

Schedule: N

Part No.	Qty.
01516	10mg

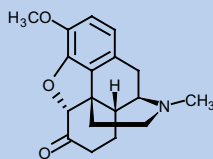


## Hydrocodone Bitartrate Hydrate

analgesic (narcotic); metabolite of codeine

CAS#: 34195-34-1 Schedule: II

Part No.	Qty.
01806	50mg
018062 💧	10mg
018063 ✓	1mg

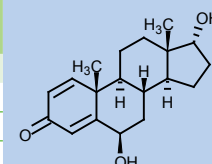


## 6 $\beta$ ,17 $\alpha$ -Hydroxyboldenone

metabolite of boldenone

Schedule: N

Part No.	Qty.
01527	10mg

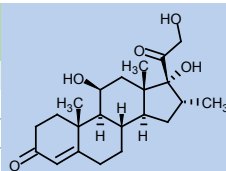


## Hydrocortisone

cortisol; glucocorticoid

CAS#: 50-23-7 Schedule: N

Part No.	Qty.
01638	50mg
016382 💧	10mg
016383 ✓	1mg

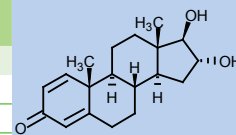


## 16 $\alpha$ -Hydroxyboldenone

metabolite of boldenone

Schedule: N

Part No.	Qty.
01528	10mg

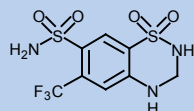


## Hydroflumethiazide

diuretic; antihypertensive

CAS#: 135-09-1 Schedule: N

Part No.	Qty.
01434	100mg
014342 💧	10mg
014343 ✓	1mg

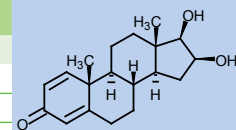


## 16 $\beta$ -Hydroxyboldenone

metabolite of boldenone

Schedule: N

Part No.	Qty.
01504	10mg

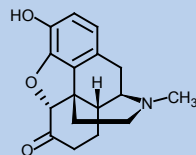


## Hydromorphone HCl

analgesic (narcotic); metabolite of hydrocodone

CAS#: 71-68-1 Schedule: II

Part No.	Qty.
01355	25mg
013552 💧	10mg
013553 ✓	1mg

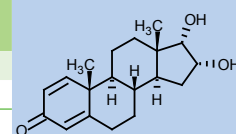


## 16 $\alpha$ ,17 $\alpha$ -Hydroxyboldenone

metabolite of boldenone

Schedule: N

Part No.	Qty.
	10mg



💧 Dilute 'N Shoot'™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

N Non-Scheduled Standard

✓ Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.

for current product availability, contact customer service:

Ph: 1-847-282-2100 • Fax: 1-847-948-1078

# Grace Certified Reference Standards

Refer to page five for ordering instructions

## Hydroxybupropion


metabolite of bupropion

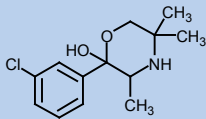
CAS#: 357399-43-0 Schedule: N

Part No. Qty.

01622 10mg

016222  10mg

016223  1mg



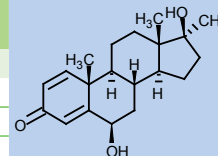
## 6β-Hydroxymethandrostenolone

metabolite of methandrostenolone

Schedule: N

Part No. Qty.

01502 10mg



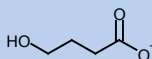
## γ-Hydroxybutyrate

GHB; sodium oxybate; abused drug

CAS#: 502-85-2 Schedule: N

Part No. Qty.

601563  1mg



## p-Hydroxynorephedrine HCl

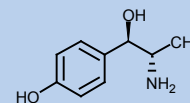
metabolite of amphetamine/methamphetamine

CAS#: 35085-65-5 Schedule: N

Part No. Qty.

01308 100mg

6013082  10mg



## 4-Hydroxy-N,N-diisopropyltryptamine HCl


(4-HO-DiPT) abused drug

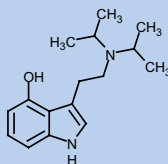
CAS#: 132328-45-1 Schedule: N

Part No. Qty.

01681 10mg

016812  10mg

016813  1mg



## 4-Hydroxy-PCP HCl Monohydrate

metabolite of phencyclidine

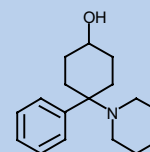
Schedule: N

Part No. Qty.

01534 10mg

6015342  10mg

6015343  1mg



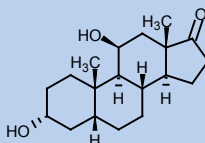
## 11β-Hydroxyetiocholanolone

metabolite of androsterone

CAS#: 739-26-4 Schedule: N

Part No. Qty.

01520 10mg



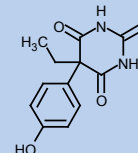
## p-Hydroxyphenobarbital Monohydrate

metabolite of primidone/phenobarbital

CAS#: 80866-89-3 Schedule: N

Part No. Qty.

6012213  1mg



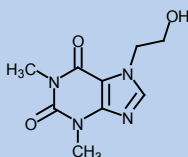
## β-Hydroxyethyltheophylline

internal standard for theophylline

CAS#: 519-37-9 Schedule: N

Part No. Qty.

01015 100mg



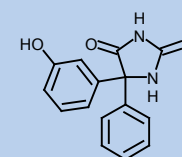
## 5-m-Hydroxyphenyl-5-phenylhydantoin

metabolite of phenytoin

CAS#: 30074-03-4 Schedule: N

Part No. Qty.

01228 10mg



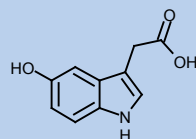
## 5-Hydroxyindole-3-acetic Acid

metabolite of serotonin

CAS#: 54-16-0 Schedule: N

Part No. Qty.

01302 50mg



## 5-p-Hydroxyphenyl-5-phenylhydantoin

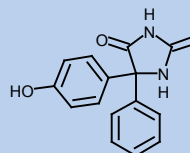
metabolite of phenytoin

Schedule: N

Part No. Qty.

01229 100mg

6012292  10mg



## N-Hydroxy-MDA HCl


MDOH; metabolite of MDA; abused drug

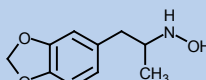
CAS#: 74341-83-6 Schedule: I

Part No. Qty.

01497 10mg

6014972  10mg

014973  1mg



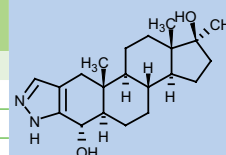
## 4α-Hydroxystanozolol


metabolite of stanozolol

Schedule: N


Part No. Qty.

01533 10mg



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# Grace Drug Standards

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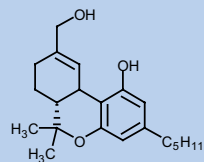
## I-11-Hydroxy- $\Delta$ -9-THC

metabolite of  $\Delta$ -9-THC

CAS#: 36557-05-8 Schedule: N

Part No. Qty.

01468 ✓ 100 $\mu$ g



## Indapamide

diuretic; antihypertensive

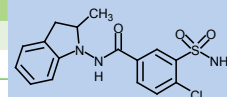
CAS#: 26807-65-8 Schedule: N

Part No. Qty.

01612 10mg

016122 💧 10mg

016123 ✓ 1mg



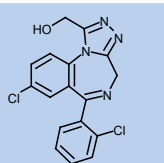
## $\alpha$ -Hydroxytriazolam

metabolite of triazolam

CAS#: 37115-45-0 Schedule: N

Part No. Qty.

601561 ✓ 100 $\mu$ g



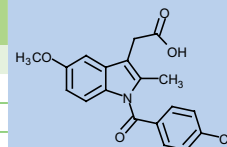
## Indomethacin

anti-inflammatory; antipyretic; analgesic

CAS#: 53-86-1 Schedule: N

Part No. Qty.

01416 100mg



## Hydroxyzine di-HCl

anxiolytic; antihistaminic

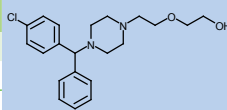
CAS#: 2192-20-3 Schedule: N

Part No. Qty.

01501 100mg

6015012 💧 10mg

6015013 ✓ 1mg



## 4-Iodo-2,5-dimethoxyamphetamine HCl

DOI, abused drug

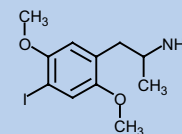
CAS#: 42203-78-1 Schedule: N

Part No. Qty.

01687 10mg

016872 💧 10mg

016873 ✓ 1mg



## Ibuprofen

anti-inflammatory

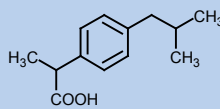
CAS#: 15687-27-1 Schedule: N

Part No. Qty.

01381 50mg

6013812 💧 10mg

6013813 ✓ 1mg



## 4-Iodo-2,5-dimethoxyphenethylamine HCl

2C-I; abused drug

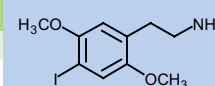
CAS#: 69587-11-7 Schedule: N

Part No. Qty.

01663 10mg

016632 💧 10mg

016633 ✓ 1mg



## Iminostilbene

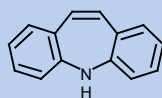
metabolite of carbamazepine

CAS#: 256-96-2 Schedule: N

Part No. Qty.

01216 100mg

6012162 💧 10mg



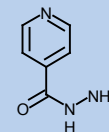
## Isoniazid

antibacterial (tuberculostatic)

CAS#: 54-85-3 Schedule: N

Part No. Qty.

01256 100mg



## Imipramine HCl

tricyclic antidepressant

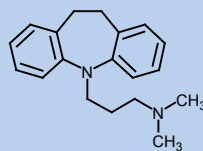
CAS#: 113-52-0 Schedule: N

Part No. Qty.

01348 50mg

6013482 💧 10mg

6013483 ✓ 1mg



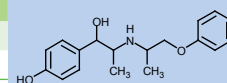
## Isoxsuprine HCl

vasodilator

CAS#: 579-56-6 Schedule: N

Part No. Qty.

01413 100mg



## Imipramine- $d_3$ Maleate

deuterated internal standard

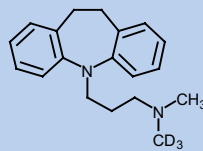
CAS#: 65100-49-4 Schedule: N

Part No. Qty.

01905 10mg

6019052 💧 10mg

019053 ✓ 100 $\mu$ g



## Ketamine HCl

anesthetic; abused drug

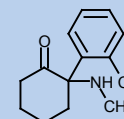
CAS#: 1867-66-9 Schedule: III

Part No. Qty.

01414 10mg

6014142 💧 10mg

6014143 ✓ 1mg



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## Ketoprofen

*anti-inflammatory*

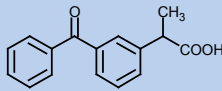
CAS#: 22071-15-4 Schedule: N

Part No. Qty.

01642 50mg

016422  10mg

016423  1mg



## Loxapine Succinate


*tranquilizer (minor)*

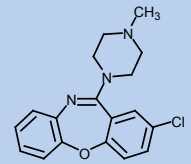
CAS#: 27833-64-3 Schedule: N

Part No. Qty.

01467 50mg

6014672  10mg

6014673  1mg



## Lansoprazole


*antiulcerative*

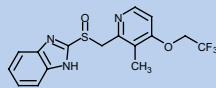
CAS#: 103577-45-3 Schedule: N

Part No. Qty.

01613 10mg

016132  10mg

016133  1mg



## d-Lysergic Acid Diethylamide

*LSD; abused drug*

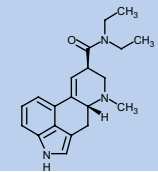
CAS#: 50-37-3 Schedule: I

Part No. Qty.

01809 10mg

6018092  10mg

018093  25µg



## Levorphanol Tartrate Dihydrate

*analgesic (narcotic)*

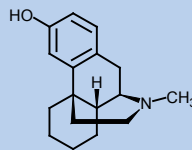
CAS#: 5985-38-6 Schedule: II

Part No. Qty.

01421 25mg

6014212  10mg

014213  500µg



## d-Lysergic Acid N,N-Methylpropylamide

*LAMPA; internal standard for LSD*

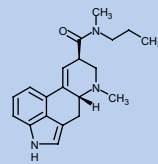
CAS#: 40158-98-3 Schedule: I

Part No. Qty.

01810<sup>3</sup> 10mg

6018102  10mg

018103  25µg



<sup>3</sup> LAMPA; internal standard for LSD

## Lidocaine


*anesthetic (local); antiarrhythmic*

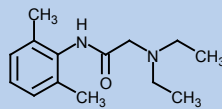
CAS#: 137-58-6 Schedule: N

Part No. Qty.

01842 50mg

6018422  10mg

6018423  1mg



## Maprotiline HCl

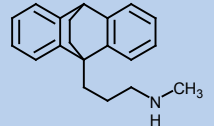
*antidepressant*

CAS#: 10347-81-6 Schedule: N

Part No. Qty.

01353 50mg

6013532  10mg



## Lisinopril Dihydrate

*antihypertensive*

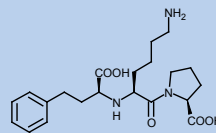
CAS#: 83915-83-7 Schedule: N

Part No. Qty.

01599 10mg

015992  10mg

015993  1mg



## 2,3-MDA HCl

*internal standard for 3,4-MDA*

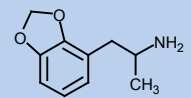
CAS#: 23693-17-6 Schedule: I

Part No. Qty.

01577 10mg

015772  10mg

015773  1mg



## Lorazepam


*tranquilizer (minor)*

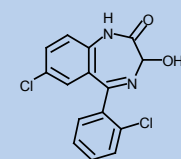
CAS#: 846-49-14 Schedule: IV

Part No. Qty.

01358 50mg

6013582  10mg

013583  1mg



## 3,4-MDA HCl


*metabolite of MDMA; abused drug*

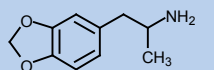
CAS#: 6292-91-7 Schedule: I

Part No. Qty.

01460 10mg

014602  10mg

014603  1mg



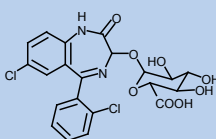
## Lorazepam Glucuronide

*metabolite of lorazepam*

CAS#: 32781-79-6 Schedule: N

Part No. Qty.

01544  100µg



## 3,4-MDE HCl

*MDEA; abused drug*

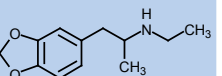
CAS#: 74341-78-9 Schedule: I


Part No. Qty.

01454 10mg


014542  10mg

014543  1mg



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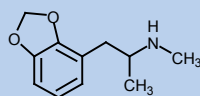
# Grace Drug Standards

Refer to page five for ordering instructions

## 2,3-MDMA HCl

internal standard for 3,4-MDMA

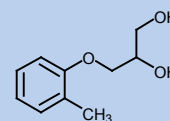
Schedule: I	
Part No.	Qty.
01578	10mg
015782	10mg
015783	1mg



## Mephesisin

relaxant (skeletal muscle)

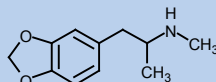
Schedule: N	
Part No.	Qty.
01614	100mg
016142	10mg
016143	1mg



## 3,4-MDMA HCl

XTC; Ecstasy; abused drug

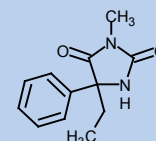
Schedule: I	
Part No.	Qty.
01409	10mg
014092	10mg
014093	1mg



## Mephénytoin

methyl hydantoin; anticonvulsant

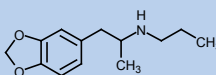
Schedule: N	
Part No.	Qty.
01789	50mg
6017892	10mg



## 3,4-MDPA HCl

MDPR; internal standard for amphetamines

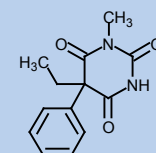
Schedule: N	
Part No.	Qty.
01471	10mg
6014712	10mg
014713	1mg



## Mephobarbital

methylphenobarbital

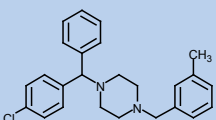
Schedule: IV	
Part No.	Qty.
01539	100mg
6015392	10mg
015393	1mg



## Meclizine di-HCl Hydrate

antiemetic

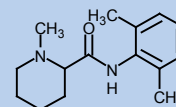
Schedule: N	
Part No.	Qty.
01477	100mg



## Mepivacaine HCl

anesthetic (local)

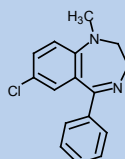
Schedule: N	
Part No.	Qty.
01423	25mg
6014232	10mg
6014233	1mg



## Medazepam

anxiolytic

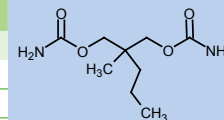
Schedule: IV	
Part No.	Qty.
01357	50mg
6013572	10mg
013573	1mg



## Meprobamate

anxiolytic; metabolite of carisoprodol

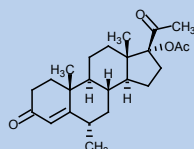
Schedule: IV	
Part No.	Qty.
01708	50mg
6017082	10mg
017083	1mg



## Medroxyprogesterone 17-Acetate

progestin

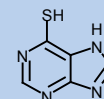
Schedule: N	
Part No.	Qty.
01591	10mg



## 6-Mercaptopurine Monohydrate

antineoplastic; immunosuppressant

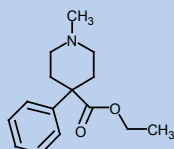
Schedule: N	
Part No.	Qty.
01324	100mg



## Meperidine HCl

analgesic (narcotic)

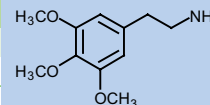
Schedule: II	
Part No.	Qty.
01717	50mg
017172	10mg
017173	1mg



## Mescaline HCl

constituent of Peyote cactus; abused drug

Schedule: I	
Part No.	Qty.
01718	10mg
6017182	10mg
6017183	1mg



Dilute 'N Shoot' Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.

for current product availability, contact customer service:

Ph: 1-847-282-2100 • Fax: 1-847-948-1078

## Mesoridazine Besylate

*antipsychotic; metabolite of thioridazine*

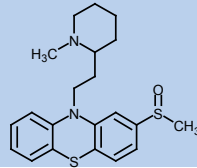
**CAS#:** 32672-69-8 **Schedule:** N

Part No. Qty.

**01404** 25mg

**6014042**  10mg

**6014043**  1mg




## *l*-Methamphetamine HCl

*anorexic; stimulant (CNS)*

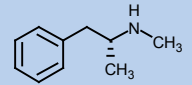
**CAS#:** 826-10-8 **Schedule:** II

Part No. Qty.

**01470** 25mg

**014702**  10mg

**014703**  1mg



## Mesterolone

*androgen*

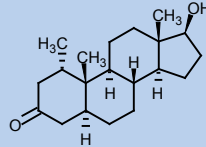
**CAS#:** 1424-00-6 **Schedule:** III

Part No. Qty.

**01490** 10mg

**6014902**  10mg

**6014903**  1mg



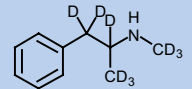
## *dl*-Methamphetamine-*d*<sub>5</sub>

*deuterated internal standard*

**Schedule:** N

Part No. Qty.

**601926**  100µg



## Metformin HCl


*antidiabetic*

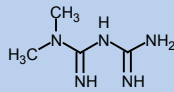
**CAS#:** 1115-70-4 **Schedule:** N

Part No. Qty.

**01615** 100mg

**016152**  10mg

**016153**  1mg



## Methandriol

*anabolic steroid*

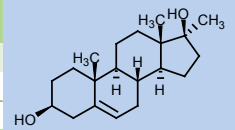
**CAS#:** 521-10-8 **Schedule:** III

Part No. Qty.

**01525** 50mg

**6015252**  10mg

**6015253**  1mg



## *dl*-Methadone HCl


*analgesic (narcotic)*

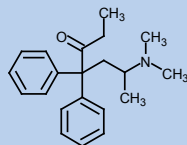
**CAS#:** 125-56-4 **Schedule:** II

Part No. Qty.

**01802** 50mg

**018022**  10mg

**018023**  1mg



## Methandrostenolone

*androgen*

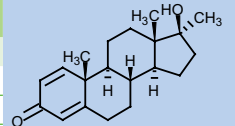
**CAS#:** 72-63-9 **Schedule:** III

Part No. Qty.

**01349** 10mg

**6013492**  10mg

**6013493**  1mg



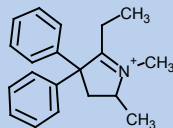
## *dl*-Methadone - Primary Metabolite

*EDDP iodide*

**Schedule:** N

Part No. Qty.

**01824** 10mg




## Methaqualone HCl

*sedative-hypnotic; abused drug*

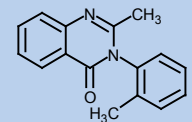
**CAS#:** 340-56-7 **Schedule:** I

Part No. Qty.

**01731** 50mg

**017312**  10mg

**017313**  1mg



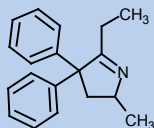
## *dl*-Methadone - Secondary Metabolite

*EMDP HCl*

**CAS#:** 30223-74-6 **Schedule:** N

Part No. Qty.

**01825** 10mg



## Metharbital

*5,5-diethyl-1-methylbarbituric acid; anticonvulsant*

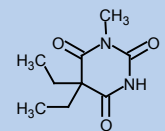
**CAS#:** 50-11-3 **Schedule:** III

Part No. Qty.

**01369** 50mg

**6013692**  10mg

**6013693**  1mg



## *d*-Methamphetamine HCl


*stimulant (CNS); abused drug*

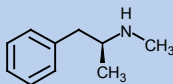
**CAS#:** 51-57-0 **Schedule:** II

Part No. Qty.

**01001** 100mg

**010012**  10mg

**010013**  1mg



## Methocarbamol

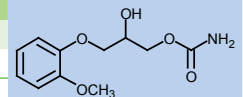
*relaxant (skeletal muscle)*


**CAS#:** 532-03-6 **Schedule:** N

Part No. Qty.


**01397** 100mg

**6013972**  10mg



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**N** Non-Scheduled Standard

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# Grace Drug Standards

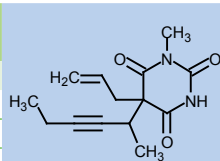
Refer to page five for ordering instructions

## Methohexital

*anesthetic (intravenous)*

CAS#: 151-83-7 Schedule: IV



Part No.	Qty.
01376	50mg
6013762 	10mg
6013763 	1mg

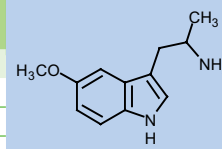


## 5-Methoxy- $\alpha$ -methyltryptamine HCl

*5-MeO-AMT;  $\alpha$ , O-DMS; abused drug*

CAS#: 34736-04-4 Schedule: N


Part No.	Qty.
01659	10mg
016592 	10mg
016593 	1mg

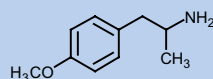


## 4-Methoxyamphetamine HCl

*PMA; abused drug; metabolite of PMMA*

CAS#: 3706-26-1 Schedule: I

Part No.	Qty.
01574	10mg
015742 	10mg
015743 	1mg

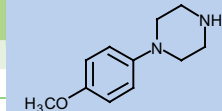


## 1-(4-Methoxyphenyl)piperazine di-HCl

*4-MeOPP; abused drug*

CAS#: 38869-47-5 Schedule: N


Part No.	Qty.
01654	10mg

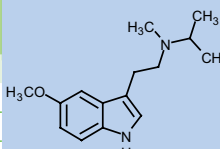


## 5-Methoxy-N-methyl-N-isopropyltryptamine HCl

*5-MeO-MiPT, abused drug*

CAS#: 96096-55-8 Schedule: N



Part No.	Qty.
01689	10mg
016892 	10mg
016893 	1mg

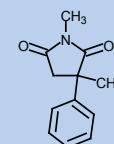


## Methsuximide

*anticonvulsant*

CAS#: 77-41-8 Schedule: N

Part No.	Qty.
01846	50mg
6018462 	10mg
6018463 	1mg

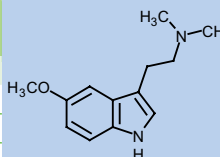


## 5-Methoxy-N,N-dimethyltryptamine

*5-MeO-DMT; abused drug*

CAS#: 1019-45-0 Schedule: N


Part No.	Qty.
01650	10mg
016502 	10mg
016503 	1mg

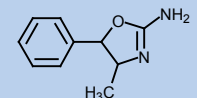


## 4-Methylaminorex

*anorexic; stimulant; abused drug*

CAS#: 29493-77-4 Schedule: I

Part No.	Qty.
01491	10mg
014912 	10mg

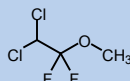


## Methoxyflurane

*anesthetic (inhalation)*

CAS#: 76-38-0 Schedule: N

Part No.	Qty.
01787	500 $\mu$ l

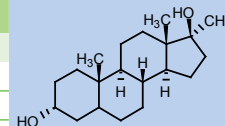


## 17 $\alpha$ -Methylandrostan-3 $\alpha$ ,17 $\beta$ -diol

*metabolite of methyltestosterone*

Schedule: N


Part No.	Qty.
01514	10mg

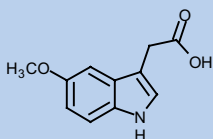


## 5-Methoxyindole-3-acetic Acid

*metabolite of 5-MeO-DMT/5-MeO-DiPT*

CAS#: 3471-31-6 Schedule: N

Part No.	Qty.
01675	10mg
016752 	10mg
016753 	1mg

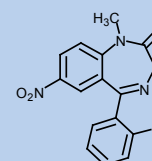


## N-Methylclonazepam

*internal standard for benzodiazepines*

Schedule: N


Part No.	Qty.
01661	10mg
016612 	10mg
016613 	1mg

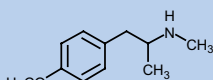


## 4-Methoxymethamphetamine HCl

*PMMA; abused drug*

CAS#: 3398-68-3 Schedule: N



Part No.	Qty.
01620	10mg
016202 	10mg
016203 	1mg

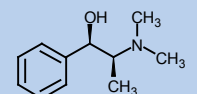



## l-N-Methylephedrine HCl

*Ephedra constituent*


CAS#: 38455-90-2 Schedule: N

Part No.	Qty.
01644	50mg
016442 	10mg
016443 	1mg



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for current product availability, contact customer service:

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## Methylphenidate HCl


*stimulant (CNS); abused drug*

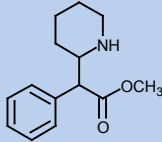
**CAS#: 298-59-9**      **Schedule: II**

Part No.      Qty.

**01410**      10mg

**014102**       10mg

**014103**       1mg



## Metoclopramide HCl Monohydrate

*antiemetic*

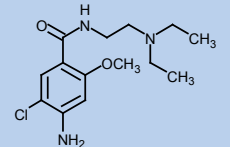
**CAS#: 54143-57-6**      **Schedule: N**

Part No.      Qty.

**01600**      100mg

**016002**       10mg

**016003**       1mg



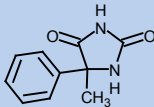
## 5-Methyl-5-phenylhydantoin

*internal standard for phenytoin*

**CAS#: 6843-49-8**      **Schedule: N**

Part No.      Qty.

**01850**      50mg



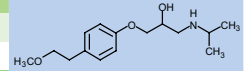
## Metoprolol Tartrate

*antihypertensive; antianginal; antiarrhythmic*

**CAS#: 56392-17-7**      **Schedule: N**

Part No.      Qty.

**01435**      100mg



## 5-(p-Methylphenyl)-5-phenylhydantoin

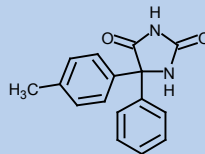
*internal standard for phenytoin*

**CAS#: 51169-17-6**      **Schedule: N**

Part No.      Qty.

**01851**      50mg

**6018512**       10mg



## Metronidazole


*antibacterial*

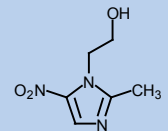
**CAS#: 443-48-1**      **Schedule: N**

Part No.      Qty.

**01580**      50mg

**015802**       10mg

**015803**       1mg



## Methyltestosterone


*androgen*

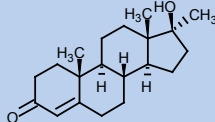
**CAS#: 58-18-4**      **Schedule: III**

Part No.      Qty.

**01483**      50mg

**6014832**       10mg

**6014833**       1mg



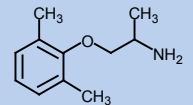
## Mexiletine HCl

*cardiac depressant (antiarrhythmic)*

**CAS#: 5370-01-4**      **Schedule: N**

Part No.      Qty.

**01547**      10mg



## 4-Methylthioamphetamine HCl

*4-MTA; abused drug*

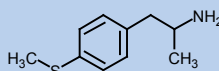
**CAS#: 94784-92-6**      **Schedule: N**

Part No.      Qty.

**01618**      10mg

**016182**       10mg

**016183**       1mg



## Midazolam

*anesthetic (intravenous)*

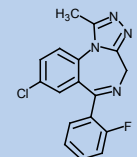
**CAS#: 59467-70-8**      **Schedule: IV**

Part No.      Qty.

**01571**      10mg

**015712**       10mg

**015713**       1mg



## α-Methyltryptamine

*alpha-MT; abused drug*

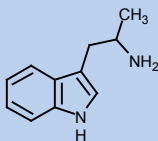
**CAS#: 299-26-3**      **Schedule: I**

Part No.      Qty.

**01647**      10mg

**016472**       10mg

**016473**       1mg



## 6-Monoacetylmorphine HCl Hydrate


*metabolite of heroin*

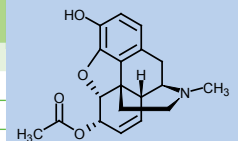
**CAS#: 36418-22-1**      **Schedule: II**

Part No.      Qty.

**01459**      10mg

**014592**       10mg

**014593**       1mg



## Methypylon

*sedative-hypnotic*

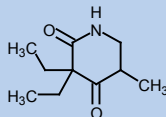
**CAS#: 125-64-4**      **Schedule: III**

Part No.      Qty.

**01796**      50mg

**6017962**       10mg

**6017963**       1mg



## Monoethylglycinexylidide HCl

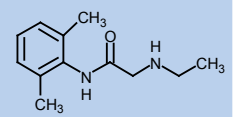
*MEGX; metabolite of lidocaine*


**CAS#: 7729-94-4**      **Schedule: N**

Part No.      Qty.


**01319**      50mg

**6013192**       10mg



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# Grace Drug Standards

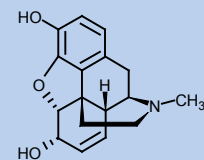
Refer to page five for ordering instructions

## Morphine HCl Trihydrate

analgesic (narcotic); metabolite of heroin/codeine

CAS#: 6055-06-7 Schedule: II

Part No.	Qty.
01803	50mg
018032 	10mg
018033 	1mg

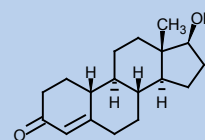


## Nandrolone

19-nortestosterone; androgen

CAS#: 434-22-0 Schedule: III


Part No.	Qty.
01484	50mg
6014842 	10mg

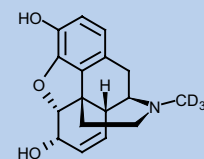


## Morphine-d<sub>3</sub>

deuterated internal standard

CAS#: 118357-24-7 Schedule: N


Part No.	Qty.
01912 	100µg

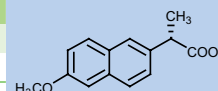


## Naproxen

anti-inflammatory; analgesic; antipyretic

CAS#: 22204-53-1 Schedule: N

Part No.	Qty.
01508	50mg
6015082 	10mg
6015083 	1mg

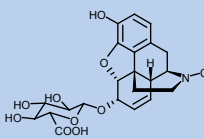


## Morphine-3-β-D-glucuronide Dihydrate

metabolite of heroin/morphine

CAS#: 33086-29-9 Schedule: II

Part No.	Qty.
01390	10mg

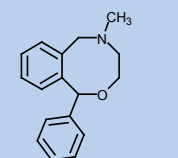


## Nefopam HCl

analgesic; antidepressant

CAS#: 23327-57-3 Schedule: N



Part No.	Qty.
01372	100mg

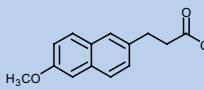


## Nabumetone

anti-inflammatory; analgesic

CAS#: 42924-53-8 Schedule: N

Part No.	Qty.
01579	100mg
015792 	10mg
015793 	1mg

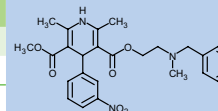


## Nicardipine HCl

antianginal; antihypertensive

CAS#: 54527-84-3 Schedule: N


Part No.	Qty.
01438	50mg

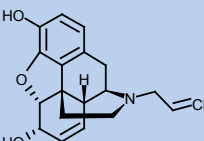


## Nalorphine HCl

internal standard for heroin/morphine

CAS#: 57-29-4 Schedule: III

Part No.	Qty.
01363	25mg
6013632 	10mg
013633 	1mg

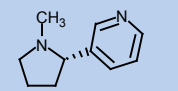


## Nicotine (Liquid)

tobacco constituent

CAS#: 54-11-5 Schedule: N

Part No.	Qty.
01737	500µl
017373 	1mg

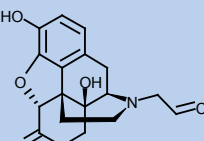


## Naloxone HCl Dihydrate

antagonist (to narcotics)

CAS#: 357-08-4 Schedule: N

Part No.	Qty.
01368	50mg
6013682 	10mg
6013683 	1mg

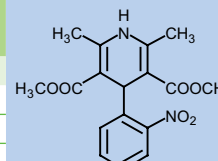


## Nifedipine

antianginal; antihypertensive

CAS#: 21829-25-4 Schedule: N

Part No.	Qty.
01412	100mg

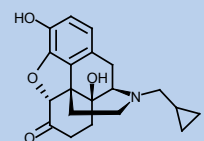


## Naltrexone HCl Trihydrate

antagonist (to narcotics)

CAS#: 16676-29-2 Schedule: N

Part No.	Qty.
01373	25mg
6013732 	10mg
6013733 	1mg

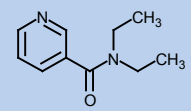



## Nikethamide (Liquid)

stimulant (CNS and respiratory)


CAS#: 59-26-7 Schedule: N

Part No.	Qty.
01784	100µl



 Dilute 'N Shoot' Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

 Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.



for current product availability, contact customer service:

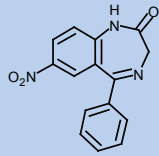
Ph: 1-847-282-2100 • Fax: 1-847-948-1078

## Nitrazepam

*anticonvulsant; sedative-hypnotic*

**CAS#: 146-22-5**      **Schedule: IV**

Part No.	Qty.
01793	50mg
6017932 	10mg
017933 	1mg

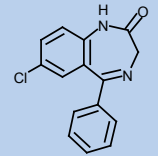


## Nordiazepam

*metabolite of various benzodiazepines*

**CAS#: 1088-11-5**      **Schedule: IV**

Part No.	Qty.
01345	10mg
6013452 	10mg
013453 	1mg

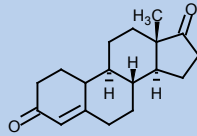


## 19-Norandrostenedione

*nandrolone prohormone; andro metabolite*

**CAS#: 734-32-7**      **Schedule: III**

Part No.	Qty.
01666	50mg
016662 	10mg

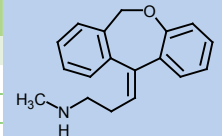


## Nordoxepin HCl

*metabolite of doxepin*

**CAS#: 2887-91-4**      **Schedule: N**

Part No.	Qty.
01462	10mg
6014622 	10mg
6014623 	1mg

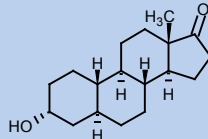


## 19-Norandrosterone

*metabolite of nandrolone*

**CAS#: 1225-01-0**      **Schedule: N**

Part No.	Qty.
01515	10mg

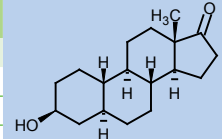


## 19-Norepiandrosterone

*metabolite of nandrolone*

**CAS#: 10002-93-4**      **Schedule: N**



Part No.	Qty.
01511	10mg

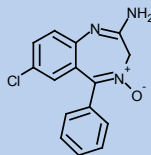


## Norchlordiazepoxide

*metabolite of chlordiazepoxide*

**CAS#: 7722-15-8**      **Schedule: N**

Part No.	Qty.
01343	10mg
6013432 	10mg
6013433 	1mg

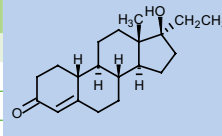


## Norethandrolone

*anabolic steroid; androgen*

**CAS#: 52-78-8**      **Schedule: III**


Part No.	Qty.
01488	50mg
6014882 	10mg
6014883 	1mg

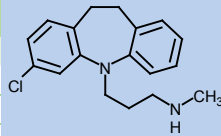


## Norclomipramine HCl

*metabolite of clomipramine*

**CAS#: 29854-14-6**      **Schedule: N**

Part No.	Qty.
01500	10mg
6015002 	10mg
6015003 	1mg

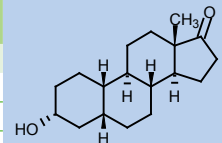


## 19-Noretiocholanolone

*metabolite of nandrolone*

**CAS#: 33036-33-8**      **Schedule: N**


Part No.	Qty.
01509	10mg

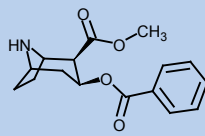


## Norcocaine HCl Hydrate

*metabolite of cocaine*

**CAS#: 18717-72-1**      **Schedule: II**


Part No.	Qty.
01535	10mg
6015352 	10mg
6015353 <sup>1</sup> 	1mg

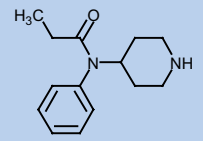


## Norfentanyl HCl Hydrate

*metabolite of fentanyl*

**CAS#: 1609-66-1**      **Schedule: N**

Part No.	Qty.
01875	10mg
018752 	10mg
018753 	1mg

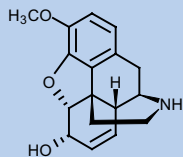


## Norcodeine HCl Trihydrate

*metabolite of codeine*

**CAS#: 14648-14-7**      **Schedule: II**


Part No.	Qty.
01384	10mg
013842 	10mg
013843 	1mg

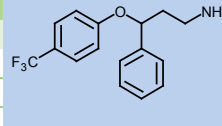



## Norfluoxetine HCl

*metabolite of fluoxetine*


**CAS#: 83891-03-6**      **Schedule: N**

Part No.	Qty.
01531	10mg
015312 	10mg
015313 	1mg



 Dilute 'N Shoot™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

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# Grace Drug Standards

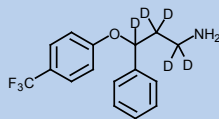
Refer to page five for ordering instructions

## Norfluoxetine-d<sub>5</sub>

deuterated internal standard

Schedule: N

Part No.	Qty.
019283	100µg

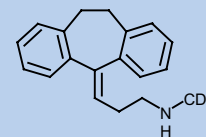


## Nortriptyline-d<sub>3</sub> HCl

deuterated internal standard

CAS#: 203784-52-5 Schedule: N

Part No.	Qty.
01907	5mg
019073	100µg

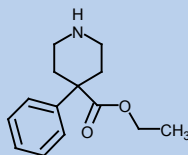


## Normeperidine HCl

metabolite of meperidine

CAS#: 24465-45-0 Schedule: II

Part No.	Qty.
01481	10mg
014812	10mg
014813	1mg

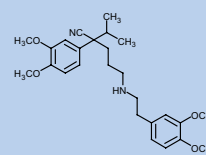


## Norverapamil HCl

metabolite of verapamil

CAS#: 67812-42-4 Schedule: N

Part No.	Qty.
01513	10mg
6015132	10mg
6015133	1mg

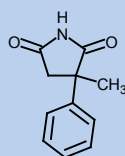


## Normethsuximide

metabolite of methsuximide

CAS#: 1497-17-2 Schedule: N

Part No.	Qty.
01012	10mg
6010122	10mg
6010123	1mg

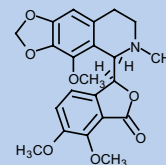


## Noscapine

antitussive; opium constituent

CAS#: 128-62-1 Schedule: N

Part No.	Qty.
01841	50mg
6018412	10mg

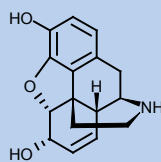


## Normorphine Monohydrate

metabolite of heroin/codeine/morphine

CAS#: 466-97-7 Schedule: I

Part No.	Qty.
01385	10mg
013852	10mg
013853	1mg

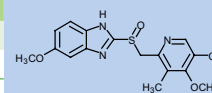


## Omeprazole

ant ulcerative

CAS#: 73590-58-6 Schedule: N

Part No.	Qty.
01616	10mg
016162	10mg
016163	1mg

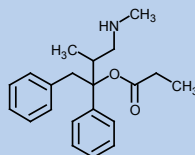


## Norpropoxyphene Maleate

metabolite of propoxyphene

CAS#: 38910-73-5 Schedule: N

Part No.	Qty.
01472	10mg

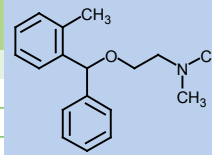


## Orphenadrine HCl

relaxant (skeletal muscle); antihistaminic

CAS#: 341-69-5 Schedule: N

Part No.	Qty.
01396	100mg

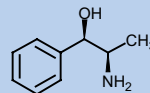


## l-Norpseudoephedrine HCl

metabolite of pseudoephedrine

CAS#: 53643-20-2 Schedule: N

Part No.	Qty.
6013223	1mg

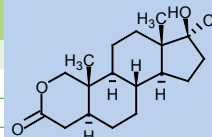


## Oxandrolone

androgen

CAS#: 53-39-4 Schedule: III

Part No.	Qty.
01518	10mg
6015182	10mg
6015183	1mg

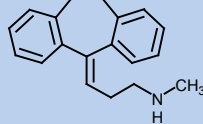


## Nortriptyline HCl

antidepressant; metabolite of amitriptyline

CAS#: 894-71-3 Schedule: N

Part No.	Qty.
01351	50mg
6013512	10mg
6013513	1mg

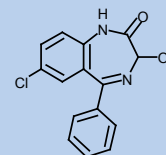


## Oxazepam

metabolite of various benzodiazepines

CAS#: 604-75-1 Schedule: IV

Part No.	Qty.
01370	50mg
6013702	10mg
013703	1mg



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N Non-Scheduled Standard

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for current product availability, contact customer service:

Ph: 1-847-282-2100 • Fax: 1-847-948-1078



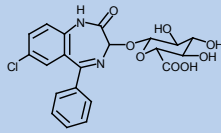
## Oxazepam Glucuronide

metabolite of various benzodiazepines

CAS#: 6801-81-6 Schedule: N

Part No. Qty.

01541 ✓ 100µg



## Oxyphenbutazone Monohydrate

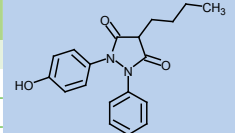
anti-inflammatory; metabolite of phenylbutazone

CAS#: 7081-38-1 Schedule: N

Part No. Qty.

01478 100mg

6014782 ⬇ 10mg



## Oxcarbazepine

antiepileptic; anticonvulsant

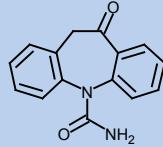
CAS#: 28721-07-5 Schedule: N

Part No. Qty.

01645 10mg

016452 ⬇ 10mg

016453<sup>2</sup> ✓ 1mg



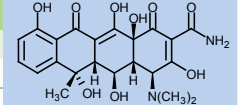
## Oxytetracycline Dihydrate

glomycin; antibacterial

CAS#: 6153-64-6 Schedule: N

Part No. Qty.

01274 100mg



<sup>2</sup> Packaged in chloroform

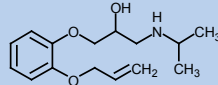
## Oxprenolol HCl

antihypertensive; antianginal; antiarrhythmic

CAS#: 6452-73-9 Schedule: N

Part No. Qty.

01374 100mg



## Papaverine HCl

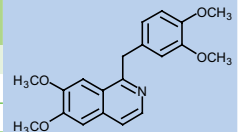
vasodilator (cerebral); opium constituent

CAS#: 61-25-6 Schedule: N

Part No. Qty.

01778 100mg

6017782 ⬇ 10mg



## Oxycodone HCl Hydrate

analgesic (narcotic); abused drug

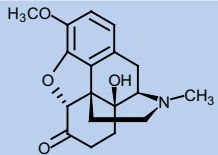
CAS#: 124-90-3 Schedule: II

Part No. Qty.

01354 25mg

013542 ⬇ 10mg

013543 ✓ 1mg



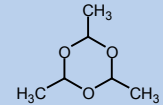
## Paraldehyde (Liquid)

paracetanaldehyde; sedative-hypnotic

CAS#: 123-63-7 Schedule: IV

Part No. Qty.

01340 500µl



## Oxymesterone

androgen; anabolic steroid

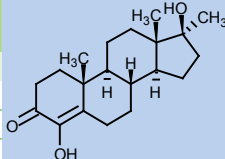
CAS#: 145-12-0 Schedule: III

Part No. Qty.

01523 10mg

6015232 ⬇ 10mg

6015233 ✓ 1mg



## Paraxanthine

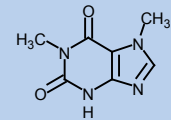
metabolite of caffeine

CAS#: 611-59-6 Schedule: N

Part No. Qty.

01240 10mg

6012402 ⬇ 10mg



## Oxymetholone

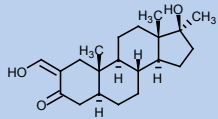
androgen

CAS#: 434-07-1 Schedule: III

Part No. Qty.

01485 50mg

6014852 ⬇ 10mg



## Paroxetine HCl Hemihydrate

antidepressant

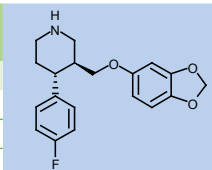
CAS#: 78246-49-8 Schedule: N

Part No. Qty.

01636 10mg

016362 ⬇ 10mg

016363 ✓ 1mg



## Oxymorphone

analgesic (narcotic); metabolite of oxycodone

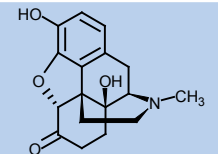
CAS#: 76-41-5 Schedule: II

Part No. Qty.

01398 10mg

013982 ⬇ 10mg

013983 ✓ 1mg



## PCP Morpholine Analog HCl

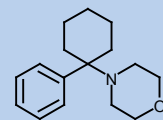
internal standard for phencyclidine

Schedule: N

Part No. Qty.

01532 10mg

6015322 ⬇ 10mg



⬇ Dilute 'N Shoot'™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

N Non-Scheduled Standard

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# Grace Drug Standards

Refer to page five for ordering instructions

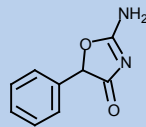
## Pemoline

*phenoxazole; stimulant (CNS)*

CAS#: 2152-34-3 Schedule: IV

Part No. Qty.

01339 50mg



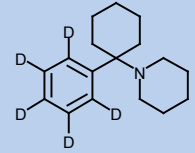
## Phencyclidine-d<sub>5</sub>

*deuterated internal standard*

CAS#: 60124-79-0 Schedule: N

Part No. Qty.

01916 ✓ 100µg



## Pentazocine

*analgesic*

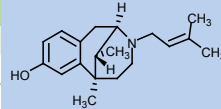
CAS#: 359-83-1 Schedule: IV

Part No. Qty.

01711 100mg

6017112 💧 10mg

017113 ✓ 1mg



## Phendimetrazine Bitartrate

*appetite suppressant; anorexic*

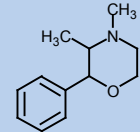
CAS#: 50-58-8 Schedule: III

Part No. Qty.

01774 100mg

6017742 💧 10mg

6017743 ✓ 1mg



## Pentobarbital

*sedative-hypnotic; metabolite of thiopental*

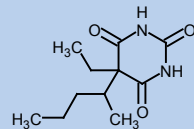
CAS#: 76-74-4 Schedule: II

Part No. Qty.

01623 100mg

016232 💧 10mg

016233 ✓ 1mg



## Phenethylamine (Liquid)

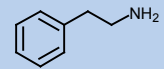
*1-amino-2-phenylethane; benzeethanamine*

CAS#: 64-04-0 Schedule: N

Part No. Qty.

01301 500µl

013013 ✓ 1mg



## Perphenazine

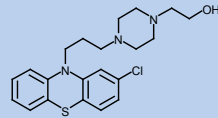
*antipsychotic*

CAS#: 58-39-9 Schedule: N

Part No. Qty.

01405 100mg

6014052 💧 10mg



## Pheniramine Maleate

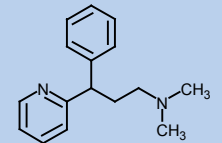
*antihistaminic*

CAS#: 132-20-7 Schedule: N

Part No. Qty.

01276 100mg

6012762 💧 10mg



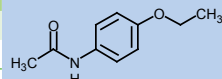
## Phenacetin

*analgesic; antipyretic*

CAS#: 62-44-2 Schedule: N

Part No. Qty.

01712 100mg



## Phenmetrazine HCl

*anorexic*

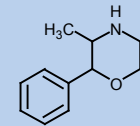
CAS#: 1707-14-8 Schedule: II

Part No. Qty.

01494 10mg

014942 💧 10mg

014943 ✓ 1mg



## Phenazopyridine HCl

*analgesic (urinary tract)*

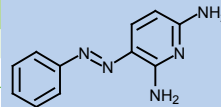
CAS#: 136-40-3 Schedule: N

Part No. Qty.

01592 100mg

015922 💧 10mg

015923 ✓ 1mg



## Phenobarbital

*metabolite of mephobarbital/primidone*

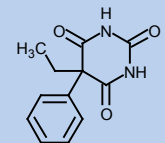
CAS#: 50-06-6 Schedule: IV

Part No. Qty.

01626 100mg

6016262 💧 10mg

016263 ✓ 1mg



## Phencyclidine HCl

*PCP; anesthetic; abused drug*

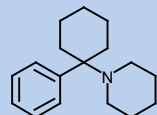
CAS#: 956-90-1 Schedule: II

Part No. Qty.

01417 25mg

017262 💧 10mg

017263 ✓ 1mg



## Phenothiazine

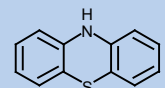
*anthelmintic*

CAS#: 92-84-2 Schedule: N

Part No. Qty.

01285 100mg

6012852 💧 10mg



💧 Dilute 'N Shoot™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

N Non-Scheduled Standard

✓ Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.

for current product availability, contact customer service:

Ph: 1-847-282-2100 • Fax: 1-847-948-1078



# Grace Drug Standards

Refer to page five for ordering instructions

## Procainamide HCl

*cardiac depressant (antiarrhythmic)*

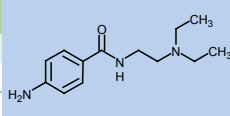
CAS#: 614-39-1 Schedule: N

Part No. Qty.

01785 50mg

6017852  10mg

6017853  1mg



## N-Propylamphetamine HCl

*internal standard for amphetamines*

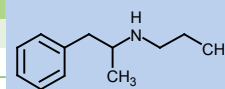
CAS#: 51799-32-7 Schedule: N

Part No. Qty.

01457 25mg

6014572  10mg

6014573  1mg



## Procaine HCl

*anesthetic (local)*

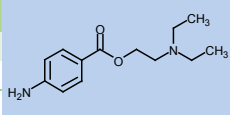
CAS#: 51-05-8 Schedule: N

Part No. Qty.

01713 100mg

6017132  10mg

6017133  1mg



## Propylbenzoylcegonine HCl

*internal standard for benzoylcegonine/cocaine*

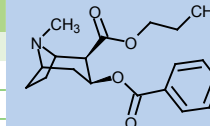
CAS#: 64091-46-9 Schedule: II

Part No. Qty.

01473 10mg

014732  10mg

014733<sup>4</sup>  1mg



<sup>4</sup> Packaged in DMF

## Prochlorperazine Edisylate

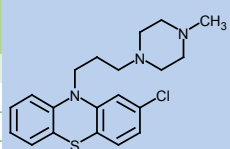
*antiemetic; antipsychotic*

CAS#: 1257-78-9 Schedule: N

Part No. Qty.

01406 100mg

6014062  10mg



## Propylhexedrine HCl


*decongestant (nasal)*

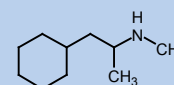
CAS#: 1007-33-6 Schedule: N

Part No. Qty.

01553 10mg

6015532  10mg

6015533  1mg



## Promazine HCl

*antipsychotic; internal standard for antidepressants*

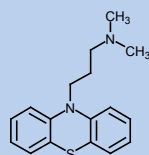
CAS#: 53-60-1 Schedule: N

Part No. Qty.

01352 25mg

6013522  10mg

6013523  1mg



## Protriptyline HCl

*tricyclic antidepressant*

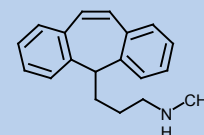
CAS#: 1225-55-4 Schedule: N

Part No. Qty.

01371 50mg

6013712  10mg

6013713  1mg



## Promethazine HCl

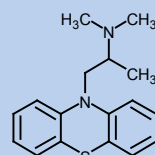
*antiemetic; antihistaminic*

CAS#: 58-33-3 Schedule: N

Part No. Qty.

01395 100mg

6013952  10mg



## Protriptyline-d<sub>3</sub> HCl


*deuterated internal standard*

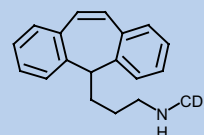
CAS#: 136765-50-9 Schedule: N

Part No. Qty.

01908 10mg

6019082  10mg

019083  100µg



## d-Propoxyphene HCl


*dextropropoxyphene; analgesic*

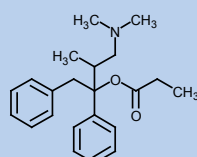
CAS#: 1639-60-7 Schedule: II

Part No. Qty.

01704 50mg

017042  10mg

017043  1mg



## d-Pseudoephedrine HCl


*decongestant*

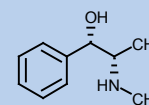
CAS#: 345-78-8 Schedule: I

Part No. Qty.

01321 100mg

6013212  10mg

6013213  1mg



## dl-Propranolol HCl

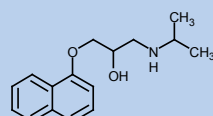
*cardiac depressant (antiarrhythmic)*

CAS#: 3506-09-0 Schedule: N

Part No. Qty.

01201 100mg

6012012  10mg



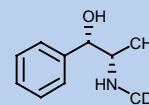
## d-Pseudoephedrine-d<sub>3</sub>


*deuterated internal standard*

CAS#: 284665-25-4 Schedule: N


Part No. Qty.

019313  100µg



 Dilute 'N Shoot'™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

 Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.

for current product availability, contact customer service:

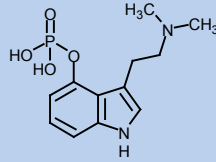
Ph: 1-847-282-2100 • Fax: 1-847-948-1078

## Psilocybin

*abused drug; constituent of "magic mushrooms"*

**CAS#: 520-52-5**      **Schedule: I**


Part No.	Qty.
01364	10mg
013642 	10mg
013641 	100µg

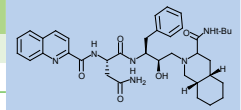


## Saquinavir Mesylate

*antiviral*

**CAS#: 149845-06-7**      **Schedule: N**

Part No.	Qty.
01637	10mg
016372 	10mg
016373 	1mg

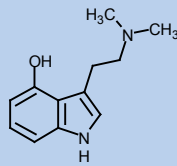


## Psilocyn

*4-HO-DMT; abused drug*

**CAS#: 520-53-6**      **Schedule: I**

Part No.	Qty.
01366	10mg
013662 	10mg
013661 	100µg

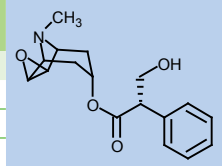


## Scopolamine HBr Monohydrate

*anticholinergic (ophthalmic)*

**CAS#: 6533-68-2**      **Schedule: N**

Part No.	Qty.
01715	100mg

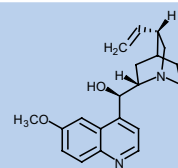


## Quinine HCl Hydrate

*antimalarial; muscle relaxant (skeletal)*

**CAS#: 130-89-2**      **Schedule: N**



Part No.	Qty.
01727	100mg
6017272 	10mg

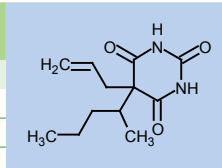


## Secobarbital

*sedative-hypnotic*

**CAS#: 76-73-3**      **Schedule: II**

Part No.	Qty.
01695	100mg
016952 	10mg
016953 	1mg

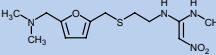


## Ranitidine HCl

*antiulcerative*

**CAS#: 66357-59-3**      **Schedule: N**


Part No.	Qty.
01594	50mg
015942 	10mg
015943 	1mg

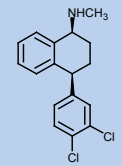


## Sertraline HCl

*antidepressant*

**CAS#: 79559-97-0**      **Schedule: N**

Part No.	Qty.
01557	10mg
015572 	10mg
015573 	1mg

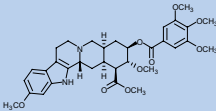


## Reserpine

*antihypertensive*

**CAS#: 50-55-5**      **Schedule: N**

Part No.	Qty.
01243	100mg

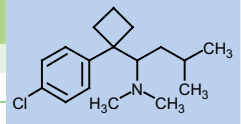


## Sibutramine HCl Monohydrate

*anorexic*

**CAS#: 125494-59-9**      **Schedule: IV**

Part No.	Qty.
01692	50mg
016922 	10mg
016923 	1mg

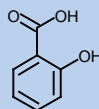


## Salicylic Acid

*metabolite of aspirin*

**CAS#: 69-72-7**      **Schedule: N**


Part No.	Qty.
01224	100mg

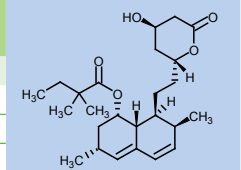


## Simvastatin

*antihyperlipidemic*

**CAS#: 79902-63-9**      **Schedule: N**

Part No.	Qty.
01601	10mg
016012 	10mg
016013 	1mg

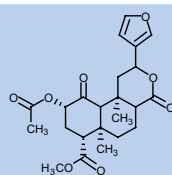


## Salvinorin A

*constituent of Salvia divinorum*

**CAS#: 83729-01-5**      **Schedule: N**

Part No.	Qty.
01660	10mg
016602 	10mg

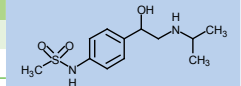



## Sotalol HCl

*antianginal; antiarrhythmic; antihypertensive*


**CAS#: 959-24-0**      **Schedule: N**

Part No.	Qty.
01546	10mg
6015462 	10mg



 Dilute 'N Shoot™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

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# Grace Drug Standards

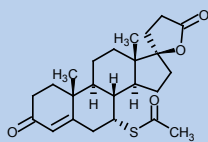
Refer to page five for ordering instructions

## Spironolactone

*diuretic; antagonist to aldosterone*

CAS#: 52-01-7 Schedule: N

Part No.	Qty.
01595	10mg
015952	10mg
015953	1mg

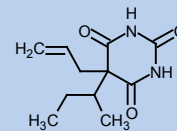


## Talbutal

*5-allyl-5-sec-butylbarbituric acid; sedative-hypnotic*

CAS#: 115-44-6 Schedule: III

Part No.	Qty.
01453	25mg
6014532	10mg
014533	1mg

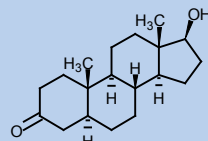


## Stanolone

*androstanolone; androgen*

CAS#: 521-18-6 Schedule: III

Part No.	Qty.
01506	10mg
6015062	10mg

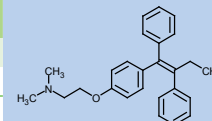


## Tamoxifen

*antiestrogen*

CAS#: 10540-29-1 Schedule: N

Part No.	Qty.
01596	10mg
015962	10mg
015963	1mg

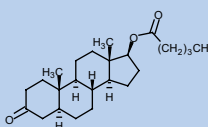


## Stanolone Valerate

*androgen*

Schedule: III

Part No.	Qty.
01522	10mg
601522	10mg

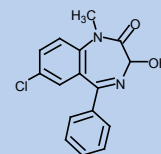


## Temazepam

*sedative-hypnotic; metabolite of medazepam*

CAS#: 846-50-4 Schedule: IV

Part No.	Qty.
01383	50mg
6013832	10mg
013833	1mg

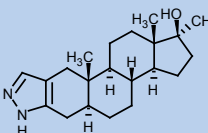


## Stanozolol

*androgen*

CAS#: 10418-03-8 Schedule: III

Part No.	Qty.
01486	50mg
6014862	10mg
6014863	1mg

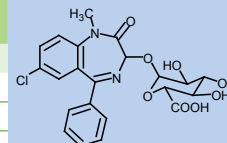


## Temazepam Glucuronide

*metabolite of temazepam*

CAS#: 3703-53-5 Schedule: N

Part No.	Qty.
01543	100µg

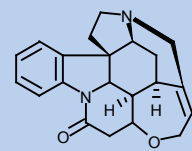


## Strychnine

*poison; veterinary tonic*

CAS#: 57-24-9 Schedule: N

Part No.	Qty.
01736	100mg

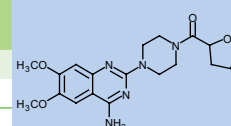


## Terazosin HCl

*antihypertensive*

CAS#: 63074-08-8 Schedule: N

Part No.	Qty.
01617	10mg
016172	10mg
016173	1mg

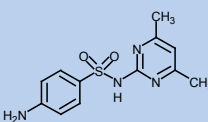


## Sulfamethazine

*antibacterial*

CAS#: 57-68-1 Schedule: N

Part No.	Qty.
01552	100mg

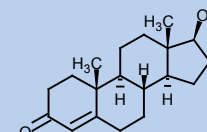


## Testosterone

*androgen*

CAS#: 58-22-0 Schedule: III

Part No.	Qty.
01487	50mg
6014872	10mg
6014873	1mg

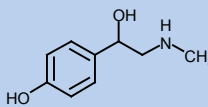


## Synephrine

*adrenergic; constituent of Citrus aurantium extract*

CAS#: 94-07-5 Schedule: N

Part No.	Qty.
01641	50mg
016412	10mg
016413	1mg

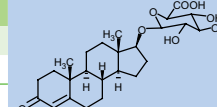


## Testosterone Glucuronide

*metabolite of testosterone*

CAS#: 1180-25-2 Schedule: N

Part No.	Qty.
601559	100µg



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## Tetracaine HCl

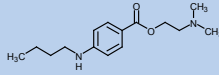
*anesthetic (local)*

**CAS#: 136-47-0**      **Schedule: N**

Part No.      Qty.

**01791**      50mg

**6017912**       10mg



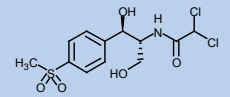
## Thiamphenicol

*internal standard for chloramphenicol*

**CAS#: 15318-45-3**      **Schedule: N**

Part No.      Qty.

**01338**      50mg



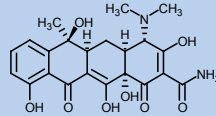
## Tetracycline HCl

*antiamebic; antibacterial; antirickettsial*

**CAS#: 64-75-5**      **Schedule: N**

Part No.      Qty.

**01278**      100mg



## Thiamylal

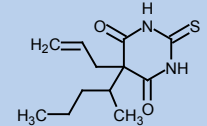
*anesthetic (intravenous)*

**CAS#: 77-27-0**      **Schedule: III**

Part No.      Qty.

**01732**      100mg

**6017322**       10mg



## Δ-8-THC

*Δ-6-THC; marijuana constituent*

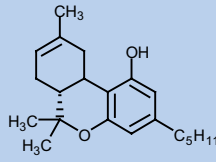
**CAS#: 5957-75-5**      **Schedule: I**

Part No.      Qty.

**01386**<sup>5</sup>      10mg

**013863**       100µg

**013866**       1mg



## Thiopental

*anesthetic (intravenous); anticonvulsant*

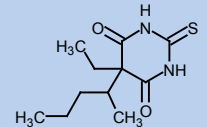
**CAS#: 76-75-5**      **Schedule: III**

Part No.      Qty.

**01447**      25mg

**6014472**       10mg

**6014473**       1mg



<sup>5</sup> Packaged in 1mL ethanol, requires a DEA license

## Δ-9-THC

*Δ-1-THC; active marijuana constituent*

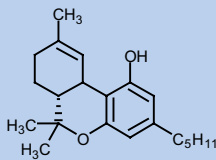
**CAS#: 1972-08-3**      **Schedule: I**

Part No.      Qty.

**01387**<sup>5</sup>      10mg

**013873**       100µg

**013877**       1mg



## Thioridazine HCl

*antipsychotic; sedative-hypnotic*

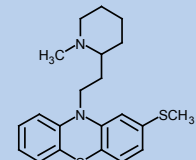
**CAS#: 130-61-0**      **Schedule: N**

Part No.      Qty.

**01407**      25mg

**6014072**       10mg

**6014073**       1mg



<sup>5</sup> Packaged in 1mL ethanol, requires a DEA license

## Thebaine

*opium constituent; precursor for many opioids*

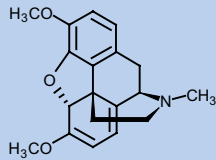
**CAS#: 115-37-7**      **Schedule: II**

Part No.      Qty.

**01807**      50mg

**6018072**       10mg

**6018073**       1mg



## Tocainide HCl

*cardiac depressant (antiarrhythmic)*

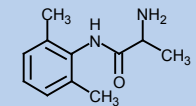
**CAS#: 71395-14-7**      **Schedule: N**

Part No.      Qty.

**01456**      100mg

**6014562**       10mg

**6014563**       1mg



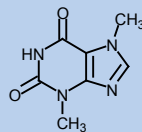
## Theobromine

*diuretic; bronchodilator; metabolite of caffeine*

**CAS#: 83-67-0**      **Schedule: N**

Part No.      Qty.

**01016**      100mg



## Tramadol HCl

*analgesic*

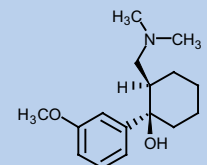
**CAS#: 22204-88-2**      **Schedule: N**

Part No.      Qty.

**01643**      10mg

**016432**       10mg

**016433**       1mg



## Theophylline Monohydrate

*bronchodilator; metabolite of caffeine*

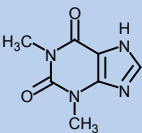
**CAS#: 5967-84-0**      **Schedule: N**

Part No.      Qty.

**01838**      50mg

**6018382**       10mg

**6018383**       1mg



## Trazodone HCl

*antidepressant*

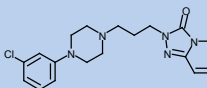
**CAS#: 25332-39-2**      **Schedule: N**


Part No.      Qty.

**01466**      50mg


**6014662**       10mg

**6014663**       1mg



 Dilute 'N Shoot™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

 Quik-Chek™ solutions are packaged in 1 mL of methanol (unless noted otherwise) and are exempt from DEA regulation in the U.S. and Canada. Quantities listed are net weights, accounting for salts, level of hydration, and purity.

# Grace Drug Standards

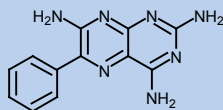
Refer to page five for ordering instructions

## Triamterene

*diuretic*

CAS#: 396-01-0 Schedule: N

Part No. Qty.  
01444 100mg

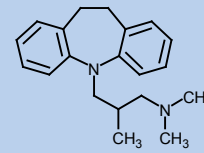


## Trimipramine Maleate

*tricyclic antidepressant*

CAS#: 521-78-8 Schedule: N

Part No. Qty.  
01360 50mg  
6013602 10mg  
6013603 1mg

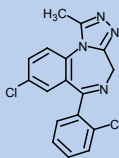


## Triazolam

*clorazolam; sedative-hypnotic*

CAS#: 28911-01-5 Schedule: IV

Part No. Qty.  
01428 10mg  
6014282 10mg  
014283 1mg

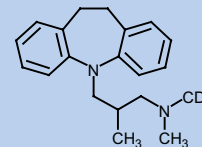


## Trimipramine-d<sub>3</sub> Maleate

*deuterated internal standard*

CAS#: 136765-54-3 Schedule: N

Part No. Qty.  
01909 10mg  
6019092 10mg  
019093 100µg

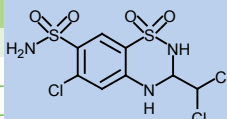


## Trichlormethiazide

*diuretic; antihypertensive*

CAS#: 133-67-5 Schedule: N

Part No. Qty.  
01445 100mg  
014452 10mg  
014453 1mg

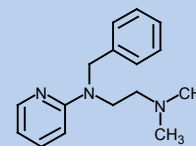


## Tripelennamine HCl

*antidepressant*

CAS#: 154-69-8 Schedule: N

Part No. Qty.  
01378 100mg

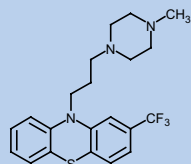


## Trifluoperazine di-HCl

*antipsychotic; sedative-hypnotic*

CAS#: 440-17-5 Schedule: N

Part No. Qty.  
01420 100mg  
6014202 10mg

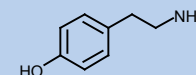


## Tyramine HCl

*adrenergic*

CAS#: 60-19-5 Schedule: N

Part No. Qty.  
01300 100mg

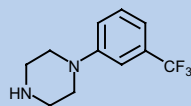


## Trifluoromethylphenylpiperazine HCl

*TFMP; abused drug*

CAS#: 16015-69-3 Schedule: N

Part No. Qty.  
01582 100mg  
015822 10mg  
015823 1mg

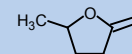


## γ-Valerolactone

*GVL; 4-methylbutyrolactone; GHB substitute*

CAS#: 108-29-2 Schedule: N

Part No. Qty.  
01657 500µl

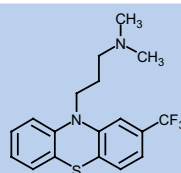


## Triflupromazine HCl

*antipsychotic*

CAS#: 1098-60-8 Schedule: N

Part No. Qty.  
01446 100mg  
6014462 10mg

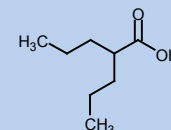


## Valproic Acid (Liquid)

*anticonvulsant; antiepileptic*

CAS#: 99-66-1 Schedule: N

Part No. Qty.  
01317 500µl

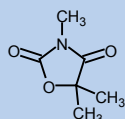


## Trimethadione

*troxidone; anticonvulsant*

CAS#: 127-48-0 Schedule: N

Part No. Qty.  
01449 25mg  
6014492 10mg  
6014493 1mg

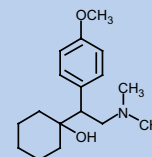


## Venlafaxine HCl

*antidepressant*

CAS#: 99300-78-4 Schedule: N

Part No. Qty.  
01691 25mg  
016912 10mg  
016913 1mg



☑ Dilute 'N Shoot™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

N Non-Scheduled Standard

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for current product availability, contact customer service:

Ph: 1-847-282-2100 • Fax: 1-847-948-1078



# Grace Drug Standards

Refer to page five for ordering instructions

## Verapamil HCl

**antianginal; antiarrhythmic**

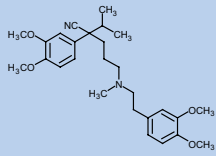
**CAS#: 152-11-4**      **Schedule: N**

Part No.      Qty.

**01377**      100mg

**6013772**       10mg

**6013773**       1mg



## Zolpidem

**sedative; hypnotic**

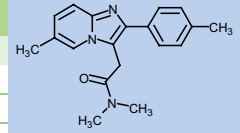
**CAS#: 82626-48-0**      **Schedule: IV**

Part No.      Qty.

**01694**      10mg

**016942**       10mg

**016943**       1mg



## Warfarin

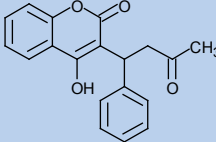
**anticoagulant**

**CAS#: 81-81-2**      **Schedule: N**

Part No.      Qty.

**01640**      50mg

**016402**       10mg



## Zopiclone

**sedative; hypnotic**

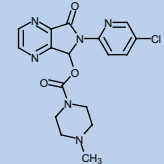
**CAS#: 43200-80-2**      **Schedule: IV**

Part No.      Qty.

**01698**      10mg

**016982**       10mg

**016983**       1mg



## Zaleplon

**sedative; hypnotic**

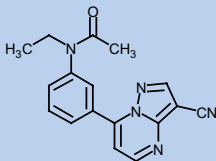
**CAS#: 151319-34-5**      **Schedule: IV**

Part No.      Qty.

**01679**      10mg

**016792**       10mg

**016793**       1mg



## NAME YOUR STANDARD

*What standard would you like to see listed?*


Let us know! Call or visit the website.

**888-395-9294**


**847-282-2100**

[www.discoverysciences.com/standards](http://www.discoverysciences.com/standards)

**CUSTOM PRODUCTS**

 Dilute 'N Shoot™ Standards include 10.0 mg of material (net wt. - accounts for salts and level of hydration).

**N** Non-Scheduled Standard

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## Reference Standard Accessories

### Synthetic Urine

Our synthetic urine can provide a control specimen as easily as dissolving a single packet into 60mL of water in a urine cup. Because it has an indefinite shelf life, synthetic urine is perfect for laboratory use when a guaranteed drug free urine standard is required on the spot.

Synthetic Urine	
Description	Part No.
1.5g Synthetic Urine Packets, 5/pkg	<b>13015</b>

**for current product availability, contact customer service:  
Ph: 1-847-282-2100 • Fax: 1-847-948-1078**

## Drug Standard Mixes

- No DEA licensing required for U.S. and Canada. Outside the USA and Canada, contact the responsible government agency for more information
- Lot analysis supplied
- Supplied with silanized screw-cap vial and label for storage after opening
- Each vial contains the listed components in 1mL of methanol (unless stated otherwise)



7514

Drug Mixes		
Product	Qty	Part No.
<b>Abused Drug Mix #1</b>	250µg/mL each (in Acetonitrile)	<b>01866</b>
d-Methamphetamine	Cocaine Diacetylmorphine	
<b>Amphetamines Mix</b>	250µg/mL each	<b>01864</b>
d-Amphetamine	3,4-MDMA 3,4-MDE	
d-Methamphetamine	Phentermine 3,4-MDA	
<b>Anticonvulsants/Sedatives Mix</b>	1mg/mL each	<b>601856</b>
Hexobarbital	Secobarbital Phenytoin	
Phenobarbital		
<b>Anticonvulsants Mix</b>	0.1mg/mL each	<b>601829</b>
Ethosuximide	Methsuximide Normethsuximide	
Mephentoin	PEMA Methyl PEMA	
<b>Antidepressants Mix</b>	0.1mg/mL each	<b>601826</b>
Medazepam	Oxazepam Lorazepam	
Diazepam	Temazepam Bromazepam	
<b>Barbiturates Mix</b>	0.2mg/mL each	<b>01818</b>
Amobarbital	Butobarbital Hexobarbital	
Phenobarbital	Secobarbital	
<b>Benzodiazepines Mix #1</b>	250µg/mL each (in Acetonitrile)	<b>01865</b>
Alprazolam	Clonazepam Diazepam	
Flunitrazepam	Lorazepam Nitrazepam	
Oxazepam	Temazepam	
<b>Benzodiazepines Mix #2</b>	1mg/mL each	<b>601857</b>
Medazepam	Flurazepam Temazepam	
Lorazepam		
<b>Capillary Drug Mix #1</b>	0.1mg/mL each	<b>01464</b>
Caffeine	Glutethimide Lidocaine	
Phenobarbital	EDDP Methaqualone	
Methadone	Cocaine Desipramine	
Carbamazepine		
<b>Capillary Drug Mix #2</b>	1mg/mL each	<b>01465</b>
Barbital	Carbamazepine	
10,11-Dihydrocarbamazepine	Phenytoin	
Ethosuximide	Ethotoin	
Mephentoin	Mephobarbital	
Metharbital	Methyl PEMA	
4-Methylprimidone	α-Methyl-α-propylsuccinimide	
Methsuximide	Normethsuximide	
PEMA	Phenobarbital	
Phensuximide	Primidone	
<b>Club Drug Mix</b>	250µg/mL	<b>01868</b>
d-Methamphetamine	4-Methoxyamphetamine	
Benzylpiperazine	Trifluoromethylphenylpiperazine	
3,4-MDMA	4-Bromo-2,5-dimethoxyphenethylamine	
Ketamine	Phencyclidine	
Dextromethorphan	Flunitrazepam	
<b>Depressants Mix</b>	0.2mg/mL each	<b>01817</b>
Chlorpromazine	Diazepam Flurazepam	
Glutethimide	Methaqualone	

Drug Mixes (cont'd)		
Product	Qty	Part No.
<b>GC Mix #1</b>	1mg/mL each	<b>601858</b>
Diazepam	Nordiazepam Carbamazepine	
Oxazepam		
<b>GC Mix #2</b>	1mg/mL each	<b>601859</b>
Methaqualone	Caffeine Acetaminophen	
Dyphylline	Theophylline	
<b>GC Mix #3</b>	1mg/mL each	<b>601861</b>
Amphetamine	Imipramine Phencyclidine	
Caffeine	Methamphetamine Phenmetrazine	
Phenylpropranolamine		
<b>GC/MS Test Mix</b>	3x1mL	<b>01463</b>
Caffeine, 40ng/µL	Cocaine, 30ng/µL	
Codeine, 50ng/µL	Diacetylmorphine, 75ng/µL	
Methadone, 30ng/µL	6-Monoacetylmorphine, 75ng/µL	
<b>Opiates Mix #1</b>	0.1mg/mL each	<b>01815</b>
Codeine	Ethylmorphine Meperidine	
Methadone	Morphine	
<b>Opiates Mix #2</b>	0.1mg/mL each	<b>601827</b>
Codeine	Morphine Hydromorphone	
Oxycodone	Nalorphine Diacetylmorphine	
<b>Opiates Mix #3</b>	250µg/mL	<b>01867</b>
Codeine	Hydrocodone Meperidine	
Methadone	Oxycodone	
<b>Sedatives Mix #1</b>	1mg/mL each	<b>601855</b>
Glutethimide	Methyprylon Meprobamate	
<b>SPE Drug Mix</b>	50µg/mL each	<b>01479</b>
Amitriptyline	Amobarbital Amphetamine	
Butobarbital	Cocaine Codeine	
Desipramine	Doxepin Glutethimide	
Imipramine	Meperidine Methadone	
Methamphetamine	Methaqualone Oxycodone	
Pentazocine	Pentobarbital Phencyclidine	
Phenobarbital	Secobarbital	
<b>Stimulants Mix</b>	0.1mg/mL each	<b>01816</b>
d-Amphetamine	Caffeine Cocaine	
d-Methamphetamine	Methylphenidate	
<b>TCA Mix</b>	0.1mg/mL each	<b>01819</b>
Trimipramine	Doxepin Amitriptyline	
Imipramine	Nordoxepin Nortriptyline	
Desipramine	Protriptyline	
<b>Therapeutics Mix #1</b>	1mg/mL each	<b>601862</b>
Propoxyphene	Diphenhydramine Nortriptyline	
Codeine	Ephedrine	
<b>Therapeutics Mix #2</b>	1mg/mL each	<b>601863</b>
Lidocaine	Amitriptyline Pentazocine	
Dextromethorphan	Nordoxepin Methocarbamol	
Triamterene	Phenylephrine	

for current product availability, contact customer service:  
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6-Acetyl-morphine - see 6-Monoacetylmorphine	29	Carisoprodol	13	2,5-Dimethoxy-4-chlorophenethylamine - see 4-Chloro-2,5-dimethoxyphenethylamine HCl	13	Felodipine	20
N-Acetylprocainamide HCl	8	Chloral Hydrate	13	2,5-Dimethoxy-4-ethylthiophenethylamine HCl	17	Fencamfamin HCl	20
Acyclovir	8	Chloramphenicol	13	2,5-Dimethoxy-4-isopropylthiophenethylamine HCl	17	Fenfluramine HCl	20
Alfentanil HCl Hydrate	8	Chlordiazepoxide HCl	13	2,5-Dimethoxy-4-methylthiophenethylamine HCl	24	Fenpropion Sodium Dihydrate	20
Albuterol Hemisulfate	8	4-Chloro-2,5-dimethoxyamphet-amine HCl	13	2,5-Dimethoxy-4-n-propylthiophenethylamine HCl	17	Fentanyl Citrate	20
Allantoin	8	4-Chloro-2,5-dimethoxyphenethylamine HCl	13	1,3-Dimethylbarbituric Acid	17	Flufenamic Acid	20
Allobarbitol	8	1-(3-Chlorophenyl)piperazine HCl	13	α,α-Dimethyl-β-methylsuccinimide	17	Flunitrazepam	20
d/-Alphaprodine HCl	8	Chloroquine Diphosphate Hydrate	13	α,O-Dimethylserotonin - see 5-Methoxy-α-methyltryptamine HCl	28	5-Fluorouracil	20
Alphenal	8	4-Chlorotestosterone Acetate	13	N,N-Dimethyltryptamine	17	Fluoxetine HCl	20
Alprazolam	8	8-Chlorotheophylline	13	Diphenhydramine HCl	17	Fluoxetine-d5	20
Amiloride HCl Hydrate	8	Chlorpheniramine Maleate	13	Diphenoxylate HCl	18	Fluoxymesterone	20
4-Aminobutyric Acid	8	Chlorpromazine HCl	13	5,5-Diphenylhydantoin - see Phenytoin	35	Fluphenazine di-HCl	20
7-Aminoclonazepam Hemihydrate	9	Chlorprothixene HCl	13	N,N-Dipropyltryptamine HCl	17	Flurazepam di-HCl	21
7-Aminoflunitrazepam	9	Chlortetracycline	13	Diphenhydramine HCl	17	Flurbiprofen	21
d/-Aminoglutethimide	9	Chlorthalidone	14	5,5-Diphenylhydantoin - see Phenytoin	35	Fluxoxamine Maleate	21
2-Amino-5-nitrobenzophenone	9	Cimetidine	14	N,N-Dipropyltryptamine	17	Furosemide	21
Amitriptyline HCl	9	Ciprofloxacin HCl Monohydrate	14	Diphenoxylate HCl	18	GABA - see 4-Aminobutyric Acid	8
Amitriptyline-d3 HCl	9	Citalopram HBr	14	5,5-Diphenylhydantoin - see Phenytoin	35	Gabapentin	21
Amobarbital	9	Clenbuterol HCl	14	DMT - see N,N-Dimethyltryptamine	17	GBL - see γ-Butyrolactone	12
Amoxapine	9	Clobazam	14	DOB - see 4-Bromo-2,5-dimethoxyamphetamine	11	Gemfibrozil	21
d/-Amphetamine HCl	9	Clonazepam	14	DOE - see 4-Chloro-2,5-dimethoxyamphetamine	13	GHB - see γ-Hydroxybutyrate	23
d/-Amphetamine-d6	9	Clonidine HCl	14	DOI - see 4-Iodo-2,5-dimethoxyamphetamine	24	Glipizide	21
l/-Amphetamine HCl	9	Clomipramine HCl	14	L-DOPA	18	Glutethimide	21
1,4-Androstadien-3,17-dione	9	Clomipramine-d3 HCl	14	Dopamine HCl	18	Glyburide	21
Androstanolone - see Stanolone	38	Clonidine HCl	14	Doxepin HCl	18	GVL - see γ-Valerolactone	40
4-Androstenediol	9	Clozapine	14	Doxepin-d3	18	Halazepam	21
Androstenedione	9	Cocaine	15	Doxylamine Succinate	18	Haloperidol	21
Androsterone	10	Cocaine-d3	15	DPT - see N,N-Dipropyltryptamine	18	Halothane	21
Antipyrine	10	Cocaine-ethylene	15	Dromostanolone - see Drostanolone	18	Heroin - see Diacetylmorphine	16
Apomorphine HCl Hemihydrate	10	l/-Cocaine HCl	15	Dronabinol - see Δ-9-THC	39	Hexobarbital	21
Aprobital	10	l/-Cocaine-d3 HCl	15	Drostanolone	18	Hippuric Acid	21
Aspirin	10	Codeine	15	Droxypropion HCl	18	4-HO-DMT - see Psilocyn	37
Atenolol	10	Codeine-d3	15	Ecgonine HCl	18	4-HO-DMT Phosphate Ester - see Psilocybin	37
Atropine Sulfate Monohydrate	10	Colchicine	15	Ecgonine Benzoate - see Benzoyllecgonine	10	4-HO-DIPT - see 4-Hydroxy-N,N-diisopropyltryptamine	23
Barbital	10	Cyclazocine	15	Ecgonine Methyl Ester HCl Monohydrate	18	Homovanillic Acid	22
Bendroflumethiazide	10	Cyclobenzaprine HCl	15	EDDP - see dl-Methadone Primary Metabolite	27	Hydralazine HCl	22
Benzocaine	10	Cyclopentobarbital	15	EMDP - see dl-Methadone Secondary Metabolite	27	Hydrochlorothiazide	22
Benzoic Acid	10	Cyheptamide	15	Enalapril Maleate	18	Hydrocodone Bitartrate Hydrate	22
Benzoyllecgonine (Anhydrous)	10	Dehydroepiandrosterone	15	Enflurane	18	Hydrocortisone	22
Benzoyllecgonine-d3	10	Desalkylflurazepam	15	l/-Ephedrine	19	Hydroflumethiazide	22
d/-Benzphetamine HCl	10	Desipramine HCl	15	l/-Ephedrine-d3	19	Hydromorphone HCl	22
Benzylpiperazine	11	Desipramine-d3 HCl	16	l/-Ephedrine	19	α-Hydroxyalprazolam	22
Boldenone	11	Desmethyl Diazepam - see Nordiazepam	31	l/-Ephedrine	19	11β-Hydroxyandrosterone	22
Bromazepam	11	Despropionyl Fentanyl	16	l/-Ephedrine	19	6β-Hydroxyboldenone	22
4-Bromo-2,5-dimethoxyamphetamine HBr	11	Dexamethasone	16	l/-Ephedrine	19	6β,17α-Hydroxyboldenone	22
4-Bromo-2,5-dimethoxyphenethylamine HCl	11	Dextromethorphan HBr Monohydrate	16	l/-Ephedrine	19	16α-Hydroxyboldenone	22
Brompheniramine Maleate	11	Dextropropoxyphene - see d-Propoxyphene	36	l/-Ephedrine	19	16β-Hydroxyboldenone	22
Bumetanide	11	Diamorphine - see Diacetylmorphine	16	l/-Ephedrine	19	16α,17α-Hydroxyboldenone	22
Buprenorphine HCl	11	Diacetylmorphine HCl Monohydrate	16	l/-Ephedrine	19	Hydroxybutyrate	23
Bupropion HCl	11	Diallylbarbituric Acid - see Allobarbitol	8	l/-Ephedrine	19	γ-Hydroxybutyrate	23
Bupropion Hydroxy Metabolite HCl	11	Dibucaine HCl	16	l/-Ephedrine	19	4-Hydroxy-N,N-dimethyltryptamine - see Psilocyn	37
Buspiron HCl	11	Diclofenac Sodium	16	l/-Ephedrine	19	4-Hydroxy-N,N-dimethyltryptamine Phosphate Ester - see Psilocybin	37
Butabarbital	11	Dicumarol	16	l/-Ephedrine	19	4-Hydroxy-N,N-diisopropyltryptamine HCl	23
Butacaine Hemisulfate	11	Diethylpropion HCl	16	l/-Ephedrine	19	11β-Hydroxyetiocholanolone	23
Butalbital	11	Digitoxin	16	l/-Ephedrine	19	β-Hydroxyethyltheophylline	23
1,4-Butanediol	12	Digoxin	16	l/-Ephedrine	19	5-Hydroxyindole-3-acetic Acid	23
Butethal	12	10,11-Dihydrocarbamazepine	16	l/-Ephedrine	19	N-Hydroxy-MDA HCl	23
		10,11-Dihydro-10-hydroxycarbamazepine	16	l/-Ephedrine	19	6β-Hydroxymethandrostanolone	23
		Dihydrocodeine Bitartrate	17	l/-Ephedrine	19	p-Hydroxynorephedrine HCl	23
		Dihydrocodeinone - see Hydrocodone	22	l/-Ephedrine	19	4-Hydroxy-PCP HCl Monohydrate	23
				l/-Ephedrine	19	p-Hydroxyphenobarbital Monohydrate	23
				l/-Ephedrine	19	5-m-Hydroxyphenyl-5-phenylhydantoin	23

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# Drug Standards Index, cont. (Hyd-Z)

5-p-Hydroxyphenyl-5-phenylhydantoin	23	5-Methoxy-N,N-diisopropyltryptamine	17	Norfluoxetine HCl	31	Protriptyline-d3 HCl	36
4-α-Hydroxystanozolol	23	- see N,N-Diisopropyl-5-methoxytryptamine	17	Norfluoxetine-d5	32	d-Pseudoephedrine HCl	36
l-11-Hydroxy-Δ-9-THC	24	5-Methoxy-N-methyl-N-isopropyltryptamine HCl	28	Normeperidine HCl	32	d-Pseudoephedrine-d3	36
α-Hydroxytriazolam	24	5-Methoxy-N,N-dimethyltryptamine	28	Normethsuximide	32	Psilocybin	37
Hydroxyzine di-HCl	24	Methoxyflurane	28	Normorphine Monohydrate	32	Psilocyn	37
Ibuprofen	24	5-Methoxyindole-3-acetic acid	28	Norpropoxyphene Maleate	32	Quinine HCl Hydrate	37
Iminostilbene	24	4-Methoxymethamphetamine HCl	28	l-Norpseudoephedrine HCl	32	Ranitidine HCl	37
Imipramine HCl	24	5-Methoxy-α-methyltryptamine HCl	28	Nortriptyline HCl	32	Reserpine	37
Imipramine-d3 Maleate	24	1-(4-Methoxyphenyl)piperazine di-HCl	28	Nortriptyline-d3 HCl	32	Saibutamol - see Albuterol Hemisulfate	8
Indapamide	24	Methsuximide	28	Norverapamil HCl	32	Salicylic Acid	37
Indomethacin	24	4-Methylaminorex	28	Noscapine	32	Salvinorin A	37
4-Iodo-2,5-dimethoxyamphetamine HCl	24	17α-Methylandrostan-3α,17β-diol	28	Omeprazole	32	Saquinavir Mesylate	37
4-Iodo-2,5-dimethoxyphenethylamine HCl	24	N-Methylclonazepam	28	Orphenadrine HCl	32	Scopolamine HBr Monohydrate	37
Isoniazid	24	3,4-Methylenedioxyamphetamine	25	Oxandrolone	32	Secobarbital	37
Isoxsuprine HCl	24	- see 3,4-MDA	25	Oxazepam	32	Sertraline HCl	37
Ketamine HCl	24	3,4-Methylenedioxyamphetamine	26	Oxazepam Glucuronide	33	Sibutramine HCl Monohydrate	37
Ketoprofen	25	- see 3,4-MDMA	26	Oxcarbazepine	33	Simvastatin	37
LAMPA - see d-Lysergic Acid N,N-Methylpropylamide	25	3,4-Methylenedioxy-N-ethylamphetamine	25	Oxcarbazepine Metabolite - see 10,11-Dihydro-10-hydroxycarbamazepine	16	Sodium Oxybate - see γ-Hydroxybutyrate	23
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Levorphanol Tartrate Dihydrate	25	3,4-Methylenedioxy-N-hydroxyamphetamine - see N-Hydroxy-MDA	23	Oxycodone HCl Hydrate	33	Spiroglactone	38
Lidocaine	25	3,4-Methylenedioxy-N-propylamphetamine	26	Oxydiazepam - see Temazepam	38	Stanolone	38
Lisinopril Dihydrate	25	- see 3,4-MDPA	26	Oxymesterone	38	Stanolone Valerate	38
Lorazepam	25	l-N-Methylephedrine HCl	28	Oxymetholone	33	Stanozolol	38
Lorazepam Glucuronide	25	Methylphenidate HCl	29	Oxymorphone	33	Strychnine	38
Loxapine Succinate	25	5-Methyl-5-phenylhydantoin	29	Oxyphenbutazone Monohydrate	33	Sulfamethazine	38
LSD - see d-Lysergic Acid Diethylamide	25	5-(p-Methylphenyl)-5-phenylhydantoin	29	Oxytetraacycline Dihydrate	33	Synephrine	38
d-Lysergic Acid Diethylamide	25	Methyltestosterone	29	Papaverine HCl	33	Talbutal	38
d-Lysergic Acid N,N-Methylpropylamide	25	4-Methylthioamphetamine HCl	29	Paraldehyde	33	Temazepam	38
4-MA - see 4-Methoxyamphetamine	28	α-Methyltryptamine	29	Paraxanthine	33	Temazepam Glucuronide	38
Maprotiline HCl	25	Methyprylon	29	Paroxetine HCl Hemihydrate	33	Terazosin HCl	38
mCPP - see 1-(3-Chlorophenyl)piperazine	13	Metoclopramide HCl Monohydrate	29	PCP - see Phencyclidine HCl	34	Testosterone	38
2,3-MDA HCl	25	Metoprolol Tartrate	29	PCP Morpholine Analog HCl	33	Testosterone Glucuronide	38
3,4-MDA HCl	25	Metronidazole	29	PEA - see Phenethylamine	34	Tetracaine HCl	39
3,4-MDE HCl	25	Mexiletine HCl	29	PEMA - see 2-Ethyl-2-phenylmalonamide	19	Tetracycline HCl	39
2,3-MDMA HCl	26	Midazolam	29	Pemoline	34	Δ-1-Tetrahydrocannabinol - see Δ-9-THC	39
3,4-MDMA HCl	26	6-Monoacetylmorphine HCl Hydrate	29	Pentazocine	34	Δ-6-Tetrahydrocannabinol - see Δ-8-THC	39
MDOH - see N-Hydroxy-MDA	23	Monoethylglycinexylidide HCl	29	Pentobarbital	34	TFMPP - see Trifluoromethylphenylpiperazine	40
3,4-MDPA HCl	26	10-Monohydroxycarbamazepine - see 10,11-Dihydro-10-hydroxycarbamazepine	16	Perphenazine	34	Δ-8-THC	39
MDPR - see 3,4-MDPA	26	Morphine HCl Trihydrate	30	Phenacetin	34	Δ-9-THC	39
Meclizine di-HCl Hydrate	26	Morphine-d3	30	Phenazopyridine HCl	34	Thebaine	39
Medazepam	26	Morphine-3-β-D-glucuronide Dihydrate	30	Phencyclidine HCl	34	Thebromine	39
Medroxyprogesterone 17-Acetate	26	α-MT - see α-Methyltryptamine	29	Phencyclidine-d5	34	Theophylline Monohydrate	39
4-MeOPP - see 1-(4-Methoxyphenyl)piperazine	28	MTA - see 4-Methylthioamphetamine	29	Phendimetrazine Bitartrate	34	Thiamphenicol	39
5-MeO-AMT - see 5-Methoxy-α-methyltryptamine	28	Nabumetone	30	Phenethylamine	34	Thiamylal	39
5-MeO-DIPT - see N,N-Diisopropyl-5-methoxytryptamine	17	Nalorphine HCl	30	Pheniramine Maleate	34	Thiopental	39
5-MeO-DMT - see 5-Methoxy-N,N-dimethyltryptamine	28	Naloxone HCl Dihydrate	30	Phenmetrazine HCl	34	Thioridazine HCl	39
5-MeO-MiPT - see 5-Methoxy-N-methyl-N-isopropyltryptamine	28	Naltrexone HCl Trihydrate	30	Phenobarbital	34	Thiothixene	39
Meperidine HCl	26	Nandrolone	30	Phenothiazine	34	Tocainide HCl	39
Mephensin	26	Naproxen	30	Phensuximide	35	Tramadol HCl	39
Mephentoin	26	Narcotine - see Noscapine	32	Phentermine HCl	35	Trazodone HCl	40
Mephobarbital	26	Nefopam HCl	30	Phenylbutazone	35	Triamterene	40
Mepivacaine HCl	26	Nicardipine HCl	30	Phenylephrine HCl	35	Triazolam	40
Meprobamate	26	Nicotine	30	Phenylpropranolamine HCl	35	Trichlormethiazide	40
6-Mercaptopurine Monohydrate	26	Nifedipine	30	dl-Phenylpropranolamine-d3	35	Trifluoperazine di-HCl	40
Mescaline HCl	26	Nikethamide	30	Phenytoin	35	Trifluoromethylphenylpiperazine HCl	40
Mesoridazine Besylate	27	Nitrazepam	31	PMA - see 4-Methoxyamphetamine	28	Triflupromazine HCl	40
Mesterolone	27	19-Norandrostenedione	31	PMMA - see 4-Methoxymethamphetamine	28	Trimethadione	40
Metformin HCl	27	19-Norandrosterone	31	Pindolol	35	3,4,5-Trimethoxyphenethylamine - see Mescaline HCl	26
dl-Methadone HCl	27	11-Nor-9-carboxy-Δ-9-tetrahydrocannabinol - see l-9-Carboxy-11-nor-Δ-9-THC	12	Prazepam	35	Trimipramine Maleate	40
dl-Methadone - Primary Metabolite	27	Norchlordiazepoxide	31	Prednisolone	35	Trimipramine-d3 Maleate	40
dl-Methadone - Secondary Metabolite	27	Norclomipramine HCl	31	Prednisone	35	Tripelennamine HCl	40
d-Methamphetamine HCl	27	Norcocaine	31	Primidone	35	Tyramine HCl	40
l-Methamphetamine HCl	27	Norcodeine HCl Trihydrate	31	Proadifen HCl	35	γ-Valerolactone	40
dl-Methamphetamine-d9	27	Nordiazepam	31	Probenecid	35	Valproic Acid	40
Methandriol	27	Nordoxepin HCl	31	Procainamide HCl	36	Venlafaxine HCl	41
Methandrostenedione	27	Norephedrine - see Phenylpropranolamine	33	Procaine HCl	36	Verapamil HCl	41
Methaqualone HCl	27	19-Norepiandrosterone	31	Prochlorperazine Edisylate	36	Warfarin	41
Metharbital	27	Norethandrolone	31	Promazine HCl	36	Zaleplon	41
Methocarbamol	27	19-Noretiocholanolone	31	Promethazine HCl	36	Zolpidem	41
Methohexital	28	Norfentanyl HCl Hydrate	31	d-Propoxyphene HCl	36	Zopiclone	41
d-Methorphan - see Dextromethorphan	16			dl-Propranolol HCl	36		
4-Methoxyamphetamine HCl	28			N-Propylamphetamine HCl	36		
				Propylbenzoyllecgonine HCl	36		
				Propylhexedrine HCl	36		
				Protriptyline HCl	36		

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# Metabolites for Drug Analysis

Drug	Metabolite (Page No.)
Alprazolam	$\alpha$ -Hydroxyalprazolam (22)
Amtriptyline	Nortriptyline (32)
Amphetamine	Benzoic Acid (10), Hippuric Acid (21), p-Hydroxynorephedrine (23), Phenylpropanolamine (35)
Androlone	19-Norandrosterone (31)
Androsterone	11 $\beta$ -Hydroxyandrosterone (22), 11 $\beta$ -Hydroxyetiocholanolone (23)
Aspirin	Salicylic Acid (37)
Benzodiazepines	Oxazepam (32), Oxazepam Glucuronide (33)
Benzphetamine	Methamphetamine (27), Amphetamine (9)
Boldenone	6 $\beta$ -Hydroxyboldenone (22), 6 $\beta$ ,17 $\alpha$ -Hydroxyboldenone (22), 16 $\alpha$ -Hydroxyboldenone (22), 16 $\beta$ -Hydroxyboldenone (22)
Caffeine	Paraxanthine (33), Theophylline (39), Theobromine (39)
Carbamazepine	Carbamazepine-10,11-epoxide (12), Iminostilbene (24)
Carisoprodol	Meprobamate (26)
Catecholamines	3,4-Dihydroxyphenylacetic Acid (17), 3,4-Dihydroxyphenylglycol (17)
Chlordiazepoxide	Norchlordiazepoxide (31), Nordiazepam (31), Oxazepam (32)
Clomipramine	Norclomipramine HCl (31)
Cocaine	Benzoyllecgonine (10), Ecgonine (18), Ecgonine Methyl Ester (18), Norcocaine (31)
Cocaine:alcohol	Cocaethylene (15)
Codeine	Norcodeine (31), Morphine (30), Normorphine (32), Hydrocodone (22)
Dextropropoxyphene	Norpropoxyphene (32)
Diacetylmorphine	Monoacetylmorphine (29), Morphine (30), Normorphine (32), Morphine-3- $\beta$ -D-glucuronide (30)
Diazepam	Nordiazepam (31), Oxazepam (32), Temazepam (38)
N,N-Diisopropyl-5-methoxytryptamine	5-Methoxyindole-3-acetic acid (28)
5,5-Diphenylhydantoin	5-p-Hydroxyphenyl-5-phenylhydantoin (23), 5-m-Hydroxyphenyl-5-phenylhydantoin (23)
Doxepin	Nordoxepin (31)
Ephedrine	Phenylpropanolamine (35), Hippuric Acid (21), Benzoic Acid (10)
Epitestosterone	Epitestosterone Glucuronide (19)
Fentanyl	Despropionyl Fentanyl (16), Norfentanyl (31)
Fluoxetine	Norfluoxetine (31)
Flurazepam	Desalkylflurazepam (15)
Hydrocodone	Hydromorphone (22)
Imipramine	Desipramine (15)
Lidocaine	Monoethylglycinexylidide (MEGX) (29)
Lorazepam	Lorazepam Glucuronide (25)
Loxapine	Amoxapine (9)
MDA	N-Hydroxy MDA (23)
Medazepam	Diazepam (16), Nordiazepam (31), Oxazepam (32), Temazepam (38)
Meperidine	Normeperidine (32)
Mephobarbital	Phenobarbital (34), p-Hydroxyphenobarbital (23)
Mepiprazol	1-(3-Chlorophenyl)piperazine (13)
Methadone	Methadone-Primary Metabolite (EDDP) (27), Methadone-Secondary Metabolite (EMDP) (27)
Methamphetamine	Amphetamine (9), p-Hydroxynorephedrine (13), Phenylpropanolamine (23)
Methandrostenolone	6 $\beta$ -Hydroxymethandrostenolone (23)
Metharbital	Barbital (10)
5-Methoxy-N,N-dimethyltryptamine	5-Methoxyindole-3-acetic Acid (28)
Methsuximide	Normethsuximide (32)
Methyltestosterone	17 $\alpha$ -Methylandrostan-3 $\alpha$ ,17 $\beta$ -diol (28)
Morphine	Normorphine (32), Morphine-3- $\beta$ -D-glucuronide (30)
Nandrolone	19-Norepiandrosterone (31), 19-Noretiocholanone (31)
Nicotine	Cotinine (15)
Nitrazepam	2-Amino-5-nitrobenzophenone (9)
Nordiazepam	Oxazepam (32)
Oxycodone	Oxymorphone (33)
PCP	4-Hydroxy-PCP (23)
Phenacetin	Acetaminophen (8)
Phenobarbital	p-Hydroxyphenobarbital (23), 2-Ethyl-2-phenylmalonamide (PEMA) (19)
Phenylbutazone	Oxyphenbutazone (33)
Prazepam	Nordiazepam (31), Oxazepam (32)
Primidone	2-Ethyl-2-phenylmalonamide (PEMA) (19), Phenobarbital (34), p-Hydroxyphenobarbital (23)
Procaïnamide	N-Acetylprocaïnamide (8)
Pseudoephedrine	Norpseudoephedrine (32)
Psilocybin	Psilocyn (37)
Serotonin	5-Hydroxyindole-3-acetic Acid (23)
Stanozolol	4 $\alpha$ -Hydroxystanozolol (23)
$\Delta$ -9-THC	9-Carboxy-11-nor- $\Delta$ -9-THC (12), 11-Hydroxy- $\Delta$ -9-THC (24)
Temazepam	Temazepam Glucuronide (38)
Testosterone	Testosterone Glucuronide (38)
Theophylline	$\beta$ -Hydroxyethyltheophylline (23)
Thiopental	Pentobarbital (34)
Thioridazine	Mesoridazine (27)
Trazodone	1-(3-Chlorophenyl)piperazine (13)
Triazolam	$\alpha$ -Hydroxytriazolam (24)
Verapamil	Norverapamil (32)

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# Internal Standards for Drug Analysis

Drug	Metabolite (Page No.)
Amphetamines (General)	Propylamphetamine (36), MDPA (26)
Antidepressants (General)	Promazine (36)
Barbiturates (General)	1,3-Dimethylbarbituric Acid (17)
Benzoyllecgonine	Propylbenzoyllecgonine (36)
Carbamazepine	10,11-Dihydrocarbamazepine (16)
9-Carboxy-11-nor- $\Delta$ -THC	Oxyphenbutazone (33)
Chloramphenicol	Thiamphenicol (39)
Cocaine	Propylbenzoyllecgonine (36)
5,5-Diphenylhydantoin	5-Methyl-5-phenylhydantoin (29), 5-(p-Methylphenyl)-5-phenylhydantoin (29)
Diacetylmorphine	Nalorphine (30)
Ethosuximide	$\alpha,\alpha$ -Dimethyl- $\beta$ -methylsuccinimide (17)
LSD	Lysergic Acid N-(methylpropyl)amide (LAMP) (25)
3,4-MDA	2,3-MDA (25)
3,4-MDMA	2,3-MDMA (26)
Morphine	Nalorphine (30)
Opiates (General)	Ethylmorphine (19)
PCP	PCP Morpholine Analog (33)
Phenobarbital	2-Ethyl-2-phenylmalonamide (PEMA) (19), p-Hydroxyphenobarbital (23)
Theophylline	8-Chlorotheophylline (13), Dyphylline (18), Theobromine (39), $\beta$ -Hydroxyethyltheophylline (23)

## Deuterated Internal Standards

Deuterated	Page No.
Amitriptyline- <i>d</i> 3 HCl	9
<i>d</i> -Amphetamine- <i>d</i> 6	9
Benzoyllecgonine- <i>d</i> 3	10
Carbamazepine- <i>d</i> 10	12
<i>d</i> -9-Carboxy-11-nor- $\Delta$ -9-THC- <i>d</i> 3	12
Clomipramine- <i>d</i> 3 HCl	14
<i>l</i> -Cocaine- <i>d</i> 3 HCl	15
Codeine- <i>d</i> 3	15
Desipramine- <i>d</i> 3 HCl	16
Doxepin- <i>d</i> 3	18
<i>l</i> -Ephedrine- <i>d</i> 3	19
Fluoxetine- <i>d</i> 5	20
Imipramine- <i>d</i> 3 Maleate	24
<i>d</i> -Methamphetamine- <i>d</i> 9	27
Morphine- <i>d</i> 3	30
Norfluoxetine- <i>d</i> 5	32
Nortriptyline- <i>d</i> 3 HCl	32
Phencyclidine- <i>d</i> 5	34
<i>d</i> -Phenylpropanolamine- <i>d</i> 3	35
Protriptyline- <i>d</i> 3 HCl	36
<i>d</i> -Pseudoephedrine- <i>d</i> 3	36
Trimipramine- <i>d</i> 3 Maleate	40

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