

Solutions

Reference materials

2017

LGC Quality
ISO 9001
ISO/IEC 17025
ISO Guide 34
GMP/GLP
ISO 13485
ISO/IEC 17043



LoGiCal® reference materials are produced under the rigorous quality assurance standards of **ISO Guide 34**.

LGC — a global leader in measurement standards, reference materials, laboratory services and proficiency testing.

With 2,600 professionals working in 21 countries, our analytical measurement and quality control services are second-to-none.

As the global leader, we provide the widest range of reference materials available from any single supplier.

When you make a decision using our resources, you can be sure it's based on precise, robust data. And that together, we're creating fairer, safer, more confident societies worldwide.

[lgcstandards.com](https://www.lgcstandards.com)

With over 2,600 products in our portfolio, the **LoGiCal®** range provides a comprehensive selection of drugs of abuse, prescription drugs, metabolites and stable isotope labelled reference materials.

LoGiCal® Solutions provides laboratories with a conveniently packaged wide range of reference materials, focused particularly on forensic and clinical toxicology. Since being launched in 2012, the portfolio has continually grown and now covers drugs, metabolites and stable isotope labelled analogues. They are ideally suited for use as either calibrators or controls.

Manufactured under processes accredited to ISO:IEC 17025 and ISO Guide 34, they are also DEA exempt where appropriate, giving confidence in the quality of the reference material and easing purchasing respectively.

Certificate of analysis explained

All **LoGiCal**[®] reference materials are accompanied by comprehensive certificates of analysis. These provide a full description of the material to which they relate, and summarise the analyses undertaken during the characterisation process.

Our certificates of analysis are prepared in accordance with ISO Guide 31, which specifies the requirements for the description of reference materials and the contents of certificates and labels.

Current examples of our certificates of analysis for all products in the LoGiCal range are openly available via the **lgcstandards.com** website on the relevant product pages.

1 Product name

Including concentration and solvent, where relevant.

2 CAS number

The unique identifier assigned by the Chemical Abstracts Service.

3 Molecular weight and molecular formula

If the neat material is in salt form these parameters are for the salt not free base.

4 Volume per ampoule

All are overfilled to ensure the minimum stated is recoverable.

5 Expiry date

Our expiry dates are determined by real time and accelerated stability testing. **NOTE 3**

6 Quality bar

Quality accreditation under which that specific material was produced, not LGC's full scope of quality accreditation.

7 Catalogue number

LGCAMP prefix for solutions and LGCFOR for powders.

8 Chemical structure

Indicating exact position of isotopic labels and freely downloadable.

9 Long term storage

The minimum specified storage requirements and those under which real time stability testing is performed. **NOTE 1**

10 Uncertainty

The statistical parameter that is used to describe the possible fluctuation in concentration. **NOTE 2**

11 Concentration

Based on material weighings and purity factor (assay of the neat material). **NOTE 4**

The NOTES are explained on page 6.

Our certificates of analysis are typically 5-10 pages long depending on the presentation of the reference materials. The first pages, described above, summarise the analytical data that follows.

Certificate of Analysis

Reference Material - Primary Standard

- 1 Product Name: Amitriptyline Hydrochloride 1.0 mg/ml in Methanol (as free base)

Catalogue Number: LGCAMP0062.00-01 7

Lot Number: 50257

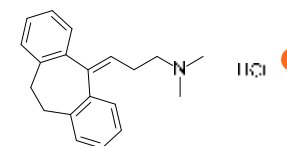
- 2 CAS Number: 549-18-8

- 3 Molecular Formula: C₂₀H₂₃N HCl

Molecular Weight: 313.86

Solvent: Methanol

- 4 Volume per Ampoule: Not less than 1 ml¹



Long-term Storage: 2 to 8 °C, dark 9

- 5 Expiry Date: May-2019


Intended Use: The primary aim of this material is for identification, calibration and quantification.

Component	Concentration ("free base")	Uncertainty
see product name	1.000 mg/ml ²	U = 0.005 mg/ml ³
Uncertainty of the concentration is expressed as an expanded uncertainty in accordance with ISO 17025 and Guide 34 at the about 95 % level of confidence using a coverage factor of k = 2 and has been calculated by statistical analysis of our production system and incorporates uncertainty of the purity, material density and balance and weighing technique. Concentration based on material weighings and material purity factor (assay of the neat material).		

The solution's concentration and homogeneity are verified by independent method.

LGC certifies that this standard meets the specification stated in this certificate and warrants this product to meet the stated acceptance criteria through the retest date when stored unopened as recommended. Product should be used shortly after opening to avoid concentration changes due to evaporation. Warranty does not apply to ampoules stored after opening.

Release Date:
Luckenwalde, June 2014

Signed: 
Dr. Sabine Schröder
Unit for Reference Materials

¹ Ampoules are overfilled to ensure a minimum 1 ml volume fill. We advise laboratories to use measured volumes of this standard solution before diluting to the desired concentration.

² The value is based on the results of analytical techniques, which calibration and verification was carried out with standards traceable to SI-units. The value is expressed on a "free base" basis.

The concentration with its uncertainty is valid in the range between 19 °C and 25 °C.

The identity is verified by data from international scientific literature. Gravimetrically prepared using qualified balances calibrated annually by accredited calibration service. Calibration verification performed daily prior to use utilizing weights traceable to SI via other mass standards.

³ The uncertainty "U" is the expanded uncertainty estimated in accordance with the Guide to the Expression of Uncertainty in Measurement (GUM). It is corresponding to a level of confidence of about 95 %. Standard uncertainties are indicated with "u".

Certificate of analysis explained

1 Concentration “as is”

If the neat material is in salt form the concentration of the salt is also provided.

2 Verification of concentration

Depending on the analyte, the concentration is verified by an appropriate technique such as GCMS or HPLC.

3 Identity

We use a range of analytical techniques to confirm the identity of our reference substance (neat material); 1H-NMR, MS, IR, HPLC-DAD, GC.

4 Purity

Purity testing is performed by HPLC or GC, water content is evaluated by Coulometric Karl Fischer titration, and residual solvent by 1H-NMR.

5 Homogeneity

Homogeneity is assured by validated procedures, including ampoulation, and is verified by HPLC.

6 Physical properties

Where other physical properties are known then we also use these as an identity check (e.g. melting point, appearance, and polarimetry).

7 Absolute methods

We use elemental analysis (carbon titration) and/or quantitative NMR in the characterisation of our reference materials.

NOTE 1: Long term storage

Unless otherwise stated, storing reference materials in pure organic solvent at temperatures below those specified is not detrimental. Some analytes may come out of solution at lower temperatures and so the reference material should be warmed to room temperature and mixed prior to use. Products in aqueous solvent should not be stored at temperatures below 0°C unless explicitly stated.

NOTE 2: Uncertainty

In accordance with the Guide to the Expression of Uncertainty in Measurement (GUM), our certificates of analysis list the expanded concentration uncertainty at the about 95 % level of confidence using a coverage factor of k = 2. They incorporate uncertainty of the purity, material density and balance and weighing technique. Our concentration uncertainties are valid in the range between 19°C and 25°C.

NOTE 3: Expiry Date (Retest date)

We run “accelerated stability studies” backed up with additional stability testing at regular time points after initial production – “real time stability tests”. From the data obtained during these investigations, we determine the ideal long-term storage conditions of our reference materials. Additionally the stability of every lot is regularly investigated through a routine quality control testing program. These results can be used to reassign expiry dates and on occasion may lead to changes in the storage temperature.

NOTE 4: Concentration

The concentration is based on gravimetric material weighings – using weights traceable to SI units - and material purity factor (assay of the neat material).



Additional information

1	Concentration (“as is”)	1.131 mg/ml
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2 Verification of Concentration and Homogeneity

Lot Number	Verified Concentration (mg/ml) Result Acceptance Criteria	% RSD - Homogeneity Result Acceptance Criteria
50257	1.013 ± 3 %	0.968 ≤ 3 %
Concentration verified by HPLC		

Solution Standard Assay Parameters		External Calibration (100 % amount)	
Analysis Method	HPLC		
Column:	Hypersil Gold (C18), 5 µm, 150 x 4.6 mm	Number of Measurements:	6
Injector:	Auto; 1.5 µl; 1.0 mg/ml in Methanol		
Flow:	1.0 ml/min, 40 °C	Detector:	220 nm
Conditions:	mob. Phase A: Water + 0.1 % H ₃ PO ₄ , mob. Phase B: Acetonitrile + 0.1 % H ₃ PO ₄ 0-12 min A/B 70/30, 12-15 min A/B to 30/70, 15-17 min A/B to 70/30, 17-22 min A/B 70/30 (v/v)		

3 Neat Material Data

Product Name:	Amitriptyline Hydrochloride
CAS Number:	549-18-8
Molecular Formula:	C ₂₀ H ₂₃ N HCl
Molecular Weight:	313.86
Compound Lot:	15393

Test	Method	Result
Melting Point (DSC) (°C)*	SOP 06-038	197 °C
¹ H-NMR Spectrum*	SOP 06-053	conform / complies to structure
IR Spectrum*	SOP 06-036	conform / complies to structure
Mass Spectrum (ESI)*	SOP 06-022	conform / complies to structure
Assay by carbon titration (free base)*	Elementary Analysis	88.67 %
The expanded uncertainty according to the assay is U = 0.41 % (about 95 % level of confidence using a coverage factor of k = 2).		
Assay by carbon titration (“as is”)*		100.32 %

*: Validated method performed by ISO/IEC 17025 accredited testing lab

4 The assay of the neat material is verified by the 100 % method using HPLC, corrected with water (KFT) and residual solvents.

LGCAMP0062.00-01 Lot Number 50257

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Analyte	CAS number	Description	Product code
5-F-AKB-48 (5-F-APINACA; N-(1-Adamantyl)-1-(5-fluoro-pentyl)-1H-indazole-3-carboxamide)	1400742-13-3	1.0 mg/ml in Acetonitrile	LGCAMP1396.13-11
	1400742-13-3	0.1 mg/ml in Acetonitrile	LGCAMP1396.13-12
AB-001 (Adamantyl(1-pentylindol-3-yl)methanone)	1345973-49-0	1.0 mg/ml in Acetonitrile	LGCAMP1275.71-11
	1345973-49-0	0.1 mg/ml in Acetonitrile	LGCAMP1275.71-12
Acebutolol Hydrochloride	34381-68-5	1.0 mg/ml in Methanol (as free base)	LGCAMP0435.00-01
Aceclofenac	89796-99-6	1.0 mg/ml in Acetonitrile	LGCAMP0181.00-11
4-Acetoxy-N-methyl-N-ethyltryptamine Fumarate (4-AcO-MET Fumarate; 4-Acetoxy-MET Fumarate)	n/a	1.0 mg/ml in Dimethyl Sulfoxide (as free base)	LGCAMP1275.29-29
Acetylcodeine	6703-27-1	1.0 mg/ml in Acetonitrile	LGCAMP0004.06-11
	6703-27-1	0.1 mg/ml in Acetonitrile	LGCAMP0004.06-12
6-Acetylmorphine	2784-73-8	1.0 mg/ml in Acetonitrile	LGCAMP0037.14-11
	2784-73-8	0.1 mg/ml in Acetonitrile	LGCAMP0037.14-12
6-Acetylmorphine-D3	136765-25-8	1.0 mg/ml in Acetonitrile	LGCAMP0037.81-11
	136765-25-8	0.1 mg/ml in Acetonitrile	LGCAMP0037.81-12
N-Acetylprocainamide	32795-44-1	1.0 mg/ml in Methanol	LGCAMP0550.03-01
Acetylsalicylic Acid	50-78-2	1.0 mg/ml in Acetonitrile	LGCAMP0133.00-11
Aciclovir	59277-89-3	1.0 mg/ml in Dimethyl Sulfoxide	LGCAMP0061.00-29
AKB-48 (APINACA; N-(1-Adamantyl)-1-pentyl-1H-indazole-3-carboxamide)	1345973-53-6	1.0 mg/ml in Acetonitrile	LGCAMP1396.12-11
	1345973-53-6	0.1 mg/ml in Acetonitrile	LGCAMP1396.12-12

Analyte	CAS number	Description	Product code
Allobarbitol	52-43-7	1.0 mg/ml in Methanol	LGCAMP0899.00-01
	52-43-7	0.1 mg/ml in Methanol	LGCAMP0899.00-02
Alprazolam	28981-97-7	1.0 mg/ml in Methanol	LGCAMP0136.00-01
	28981-97-7	0.1 mg/ml in Methanol	LGCAMP0136.00-02
Alprazolam-D5	125229-61-0	1.0 mg/ml in Methanol	LGCAMP0136.80-01
	125229-61-0	0.1 mg/ml in Methanol	LGCAMP0136.80-02
AM-694 (1-(5-Fluoropentyl)-3-(2-iodobenzoyl)indole)	335161-03-0	1.0 mg/ml in Acetonitrile	LGCAMP1275.17-11
	335161-03-0	0.1 mg/ml in Acetonitrile	LGCAMP1275.17-12
AM-2201 ((1-(5-Fluoropentyl)indol-3-yl)(naphthalen-1-yl)methanone)	335161-24-5	1.0 mg/ml in Acetonitrile	LGCAMP1396.02-11
	335161-24-5	0.1 mg/ml in Acetonitrile	LGCAMP1396.02-12
Ambroxol Hydrochloride	23828-92-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0005.00-01
Amiloride Hydrochloride Dihydrate	17440-83-4	1.0 mg/ml in Methanol (as anhydrous free base)	LGCAMP0560.00-01
7-Aminoclonazepam	4959-17-5	1.0 mg/ml in Acetonitrile	LGCAMP0945.03-11
	4959-17-5	0.1 mg/ml in Acetonitrile	LGCAMP0945.03-12
7-Aminoclonazepam-D4	1215070-96-4	0.1 mg/ml in Acetonitrile	LGCAMP0945.81-12
7-Aminodesmethylflunitrazepam	894-76-8	1.0 mg/ml in Acetonitrile	LGCAMP0069.08-11
7-Aminoflunitrazepam	34084-50-9	1.0 mg/ml in Acetonitrile	LGCAMP0069.07-11
	34084-50-9	0.1 mg/ml in Acetonitrile	LGCAMP0069.07-12
7-Aminoflunitrazepam-D7	879894-27-6	1.0 mg/ml in Acetonitrile	LGCAMP0069.81-11
	879894-27-6	0.1 mg/ml in Acetonitrile	LGCAMP0069.81-12

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Analyte	CAS number	Description	Product code
2-Aminoindane Hydrochloride (2-AI HCl)	2338-18-3	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.50-01
7-Aminonitrazepam	4928-02-3	1.0 mg/ml in Acetonitrile	LGCAMP0078.07-11
	4928-02-3	0.1 mg/ml in Acetonitrile	LGCAMP0078.07-12
Amiodarone Hydrochloride	19774-82-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0697.00-01
Amitriptyline-D3 Hydrochloride	342611-00-1	0.1 mg/ml in Methanol (as free base)	LGCAMP0062.80-02
Amitriptyline Hydrochloride	549-18-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0062.00-01
Amobarbital	57-43-2	1.0 mg/ml in Methanol	LGCAMP1353.00-01
	57-43-2	0.1 mg/ml in Methanol	LGCAMP1353.00-02
rac-Amphetamine-D ₁₀ Hydrochloride	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0741.88-02
rac-Amphetamine-D ₁₁ Hydrochloride	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP0741.89-01
	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0741.89-02
rac-Amphetamine-D ₅ Hydrochloride (D-label on ring)	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0741.86-02
rac-Amphetamine-D ₅ Hydrochloride (D-label on side chain)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP0741.87-01
	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0741.87-02
rac-Amphetamine-D ₆ Hydrochloride	205437-60-1	1.0 mg/ml in Methanol (as free base)	LGCAMP0741.90-01
	205437-60-1	0.1 mg/ml in Methanol (as free base)	LGCAMP0741.90-02

Analyte	CAS number	Description	Product code
rac-Amphetamine-D ₈ Hydrochloride	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP0741.91-01
	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0741.91-02
(S)-(+)-Amphetamine (Dextroamphetamine)	51-64-9	1.0 mg/ml in Methanol	LGCAMP1359.01-01
rac-Amphetamine	300-62-9	1.0 mg/ml in Methanol	LGCAMP0741.05-01
Androstanolone (5alpha-Dihydrotestosterone; Stanolone)	521-18-6	1.0 mg/ml in Acetonitrile	LGCAMP0565.00-11
Androstenedione (Androst-4-ene-3,17-dione)	63-05-8	1.0 mg/ml in Acetonitrile	LGCAMP0323.01-11
Anhydroecgonine Hydrochloride	74242-55-0	1.0 mg/ml in Water (as free base)	LGCAMP1345.09-30
Anhydroecgonine Methyl Ester	43021-26-7	1.0 mg/ml in Acetonitrile	LGCAMP1345.03-11
Antazoline Hydrochloride	2508-72-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0171.00-01
5-APB HCl (1-Benzofuran-5-ylpropan-2-amine Hydrochloride; 5-(2-Aminopropyl)benzofuran Hydrochloride)	286834-80-8	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.24-01
6-APB HCl (1-Benzofuran-6-ylpropan-2-amine Hydrochloride; 6-(2-Aminopropyl)benzofuran Hydrochloride)	286834-84-2	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.23-01
Apomorphine Hydrochloride Hemihydrate	41372-20-7	1.0 mg/ml in Methanol (as anhydrous free base)	LGCAMP0562.00-01
Apronalide	528-92-7	1.0 mg/ml in Methanol	LGCAMP1673.00-01
Aripiprazole	129722-12-9	1.0 mg/ml in Acetonitrile	LGCAMP0961.00-11
Asenapine Maleate	85650-56-2	1.0 mg/ml in Methanol (as free base)	LGCAMP3491.00-01
Atenolol	29122-68-7	1.0 mg/ml in Acetonitrile	LGCAMP0013.00-11
Atomoxetine Hydrochloride	82248-59-7	1.0 mg/ml in Methanol (as free base)	LGCAMP1304.00-01

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Analyte	CAS number	Description	Product code
Atropine	51-55-8	1.0 mg/ml in Acetonitrile	LGCAMP0289.18-11
Azelastine Hydrochloride	79307-93-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0362.00-01
Baclofen	1134-47-0	0.5 mg/ml in Methanol	LGCAMP1235.00-08
Barbital	57-44-3	1.0 mg/ml in Methanol	LGCAMP1721.00-01
	57-44-3	0.1 mg/ml in Methanol	LGCAMP1721.00-02
rac-BDB HCl (rac-3,4-Methylenedioxyphenyl-2-butanamine Hydrochloride)	42542-07-4	1.0 mg/ml in Methanol (as free base)	LGCAMP1360.08-01
Beclamide	501-68-8	1.0 mg/ml in Acetonitrile	LGCAMP1825.00-11
Benzbromarone	3562-84-3	1.0 mg/ml in Methanol	LGCAMP0456.00-01
Benzedrone Hydrochloride (4-Methyl-N-benzylcathinone Hydrochloride; 4-MBC HCl)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.36-01
Benzocaine	94-09-7	1.0 mg/ml in Acetonitrile	LGCAMP0094.00-11
Benzoyllecgonine	519-09-5	1.0 mg/ml in Methanol	LGCAMP1345.04-01
	519-09-5	0.1 mg/ml in Methanol	LGCAMP1345.04-02
Benzoyllecgonine-D3	115732-68-8	1.0 mg/ml in Methanol	LGCAMP1345.81-01
	115732-68-8	0.1 mg/ml in Methanol	LGCAMP1345.81-02
Benzoyllecgonine-D8	205446-21-5	1.0 mg/ml in Methanol	LGCAMP1345.82-01
	205446-21-5	0.1 mg/ml in Methanol	LGCAMP1345.82-02
N-Benzyl-(3,4-methylenedioxyphenyl)-2-aminobutan-1-one Hydrochloride (N-Benzylnorbutylone Hydrochloride)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.06-01
Benzylpiperazine Dihydrochloride (BZP Dihydrochloride)	5321-63-1	1.0 mg/ml in Methanol (as free base)	LGCAMP1280.04-01

Analyte	CAS number	Description	Product code
Bisoprolol Fumarate	104344-23-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0460.08-01
bk-2C-B HCl (2-Amino-1-(4-bromo-2,5-dimethoxyphenyl)ethanone Hydrochloride)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.15-01
Boldenone	846-48-0	1.0 mg/ml in Acetonitrile	LGCAMP0864.00-11
Boldenone Undecylenate	13103-34-9	1.0 mg/ml in Acetonitrile	LGCAMP3560.00-11
Bromazepam	1812-30-2	1.0 mg/ml in Methanol	LGCAMP0064.00-01
	1812-30-2	0.1 mg/ml in Methanol	LGCAMP0064.00-02
Bromazine Hydrochloride	1808-12-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0640.00-01
Bromhexine Hydrochloride	611-75-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0065.00-01
5-(2-Bromophenyl)-7-fluoro-1,3-dihydro-2H-1,4-benzodiazepin-2-one (Flubromazepam Isomer)	153873-96-2	1.0 mg/ml in Methanol	LGCAMP1442.01-01
Brompheniramine Maleate	980-71-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0060.00-01
Brotizolam	57801-81-7	1.0 mg/ml in Methanol	LGCAMP1443.00-01
	57801-81-7	0.1 mg/ml in Methanol	LGCAMP1443.00-02
Bufexamac	2438-72-4	1.0 mg/ml in Acetonitrile	LGCAMP0179.00-11
Buflomedil Hydrochloride	35543-24-9	1.0 mg/ml in Methanol (as free base)	LGCAMP0066.00-01
Bufotenine	487-93-4	1.0 mg/ml in Acetonitrile	LGCAMP1360.10-11
Bunolol Hydrochloride	31969-05-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0642.00-01
Buphedrone Hydrochloride	166593-10-8	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.32-01

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Analyte	CAS number	Description	Product code
Bupivacaine Hydrochloride Monohydrate	73360-54-0	1.0 mg/ml in Methanol (as anhydrous free base)	LGCAMP0613.00-01
Buprenorphine	52485-79-7	1.0 mg/ml in Methanol	LGCAMP0120.00-01
	52485-79-7	0.1 mg/ml in Methanol	LGCAMP0120.00-02
Buprenorphine 3-beta-D-Glucuronide	101224-22-0	0.1 mg/ml in Methanol	LGCAMP0120.14-02
Bupropion Hydrochloride	31677-93-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0745.00-01
Buspirone Hydrochloride	33386-08-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0464.00-01
Butalbital	77-26-9	1.0 mg/ml in Methanol	LGCAMP0774.00-01
Butobarbital	77-28-1	1.0 mg/ml in Methanol	LGCAMP1625.00-01
	77-28-1	0.1 mg/ml in Methanol	LGCAMP1625.00-02
Butorphanol Tartrate	58786-99-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1192.00-01
Butylone Hydrochloride	17762-90-2	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.03-01
gamma-Butyrolactone (GBL)	96-48-0	1.0 mg/ml in Acetonitrile	LGCAMP1275.51-11
p-CPP (1-(4-Chlorophenyl)piperazine)	38212-33-8	1.0 mg/ml in Methanol	LGCAMP1280.06-01
p-CPP HCl (para-Chlorophenylpiperazine Hydrochloride; 1-(4-Chlorophenyl)piperazine Hydrochloride)	13078-12-1	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.15-01
Caffeine	58-08-2	1.0 mg/ml in Methanol	LGCAMP0494.00-01
Camfetamine Hydrochloride (N-Methyl-3-phenylnorbornan-2-amine Hydrochloride)	39628-11-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0995.01-01
(-)-Cannabidiol	13956-29-1	1.0 mg/ml in Methanol	LGCAMP1088.02-01

Analyte	CAS number	Description	Product code
Cannabinol	521-35-7	1.0 mg/ml in Methanol	LGCAMP1088.01-01
Carbamazepine	298-46-4	1.0 mg/ml in Methanol	LGCAMP0076.00-01
Carbamazepine 10,11-Epoxy	36507-30-9	1.0 mg/ml in Acetonitrile	LGCAMP0076.01-11
Carisoprodol	78-44-4	1.0 mg/ml in Methanol	LGCAMP0782.00-01
Carvedilol	72956-09-3	1.0 mg/ml in Methanol	LGCAMP0291.00-01
rac-Cathinone Hydrochloride	16735-19-6	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.07-01
(R)-(+)-Cathinone Hydrochloride	76333-53-4	1.0 mg/ml in Methanol (as free base)	LGCAMP1360.03-01
(S)-(-)-Cathinone Hydrochloride	72739-14-1	1.0 mg/ml in Methanol (as free base)	LGCAMP1360.02-01
Celecoxib	169590-42-5	1.0 mg/ml in Acetonitrile	LGCAMP0344.00-11
Celiprolol Hydrochloride	57470-78-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0128.00-01
Cetirizine Dihydrochloride	83881-52-1	1.0 mg/ml in Water (as free base)	LGCAMP0380.00-30
Chlorcyclizine Hydrochloride	14362-31-3	1.0 mg/ml in Methanol (as free base)	LGCAMP1653.00-01
Chlordiazepoxide	58-25-3	1.0 mg/ml in Methanol	LGCAMP0028.08-01
Chlormezanone	80-77-3	1.0 mg/ml in Methanol	LGCAMP0017.00-01
ortho-Chlorophenylpiperazine Hydrochloride (oCPP HCl)	41202-32-8	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.16-01
Chlorphenamine-D6 Maleate (Chlorpheniramine-D6 Maleate)	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0090.80-02
Chlorphenamine Maleate (Chlorpheniramine Maleate)	113-92-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0090.00-01

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Analyte	CAS number	Description	Product code
Chlorpromazine-D3	136765-28-1	0.1 mg/ml in Methanol	LGCAMP0420.80-02
Chlorpromazine Hydrochloride	69-09-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0420.00-01
Chlorpromazine Sulphoxide	969-99-3	1.0 mg/ml in Methanol	LGCAMP0420.01-01
Chlortalidone	77-36-1	1.0 mg/ml in Methanol	LGCAMP0297.00-01
Chlorzoxazone	95-25-0	1.0 mg/ml in Acetonitrile	LGCAMP0908.00-11
Cimetidine	51481-61-9	1.0 mg/ml in Methanol	LGCAMP0020.00-01
Cinchocaine Hydrochloride	61-12-1	1.0 mg/ml in Methanol (as free base)	LGCAMP0604.00-01
Citalopram-D6 Hydrobromide	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0242.80-02
Citalopram Hydrobromide	59729-32-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0242.00-01
	59729-32-7	0.1 mg/ml in Methanol (as free base)	LGCAMP0242.00-02
Clenbuterol Hydrochloride	21898-19-1	1.0 mg/ml in Dimethyl Sulfoxide (as free base)	LGCAMP1299.00-29
Clobazam	22316-47-8	1.0 mg/ml in Methanol	LGCAMP0910.00-01
	22316-47-8	0.1 mg/ml in Methanol	LGCAMP0910.00-02
Clobenzorex Hydrochloride	5843-53-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0649.00-01
Clobutinol Hydrochloride	1215-83-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0038.00-01
Clomipramine-D3 Hydrochloride	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0545.81-02

Analyte	CAS number	Description	Product code
Clomipramine Hydrochloride	17321-77-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0545.00-01
Clonazepam	1622-61-3	1.0 mg/ml in Methanol	LGCAMP0945.00-01
	1622-61-3	0.1 mg/ml in Methanol	LGCAMP0945.00-02
Clonazepam-D4	170082-15-2	0.1 mg/ml in Methanol	LGCAMP0945.80-02
Clonidine Hydrochloride	4205-91-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0983.00-01
Clozapine	5786-21-0	1.0 mg/ml in Acetonitrile	LGCAMP0480.00-11
Clozapine-D4	204395-52-8	0.1 mg/ml in Acetonitrile	LGCAMP0480.80-12
Cocaethylene (Benzoylethylecgonine)	529-38-4	1.0 mg/ml in Acetonitrile	LGCAMP1345.06-11
	529-38-4	0.1 mg/ml in Acetonitrile	LGCAMP1345.06-12
Cocaethylene-D3 (Benzoylethylecgonine-D3)	136765-30-5	0.1 mg/ml in Acetonitrile	LGCAMP1345.83-12
Cocaethylene-D8 (Benzoylethylecgonine-D8)	152521-09-0	0.1 mg/ml in Acetonitrile	LGCAMP1345.84-12
Cocaine	50-36-2	1.0 mg/ml in Acetonitrile	LGCAMP1345.05-11
	50-36-2	0.1 mg/ml in Acetonitrile	LGCAMP1345.05-12
Cocaine-D3	138704-14-0	1.0 mg/ml in Acetonitrile	LGCAMP1345.80-11
	138704-14-0	0.1 mg/ml in Acetonitrile	LGCAMP1345.80-12
Cocaine-D8	n/a	1.0 mg/ml in Acetonitrile	LGCAMP1345.88-11
	n/a	0.1 mg/ml in Acetonitrile	LGCAMP1345.88-12
Codeine	76-57-3	1.0 mg/ml in Methanol	LGCAMP0004.10-01
	76-57-3	0.1 mg/ml in Methanol	LGCAMP0004.10-02

Solutions reference materials

Analyte	CAS number	Description	Product code
Codeine-D3	70420-71-2	1.0 mg/ml in Methanol	LGCAMP0004.80-01
	70420-71-2	0.1 mg/ml in Methanol	LGCAMP0004.80-02
Codeine-D6	1007844-34-9	1.0 mg/ml in Methanol	LGCAMP0004.81-01
	1007844-34-9	0.1 mg/ml in Methanol	LGCAMP0004.81-02
Codeine 6-β-D-Glucuronide	20736-11-2	1.0 mg/ml in Water	LGCAMP0004.20-30
	20736-11-2	0.1 mg/ml in Water	LGCAMP0004.20-34
Codeine-D3 6-β-D-Glucuronide	219533-59-2	0.1 mg/ml in Water	LGCAMP0004.82-34
Cortisone	53-06-5	0.1 mg/ml in Methanol	LGCAMP0214.00-02
(-)-Cotinine	486-56-6	1.0 mg/ml in Methanol	LGCAMP0517.03-01
rac-Cotinine-D3	110952-70-0	1.0 mg/ml in Methanol	LGCAMP0517.81-01
	110952-70-0	0.1 mg/ml in Methanol	LGCAMP0517.81-02
Cyanocobalamin (Vitamin B12)	68-19-9	1.0 mg/ml in Methanol	LGCAMP1449.00-01
Cyclobenzaprine Hydrochloride	6202-23-9	1.0 mg/ml in Methanol (as free base)	LGCAMP0062.02-01
Dehydronorketamine Hydrochloride	1435934-26-1	0.1 mg/ml in Acetonitrile (as free base)	LGCAMP0144.07-12
Delorazepam	2894-67-9	0.1 mg/ml in Methanol	LGCAMP1371.00-02
Delorazepam-D4	84344-12-7	0.1 mg/ml in Methanol	LGCAMP1371.80-02
(-)-Delta9-THC (Dronabinol)	1972-08-3	5.0 mg/ml in Methanol	LGCAMP1088.00-05
	1972-08-3	1.0 mg/ml in Methanol	LGCAMP1088.00-01
	1972-08-3	0.1 mg/ml in Methanol	LGCAMP1088.00-02
Demoxepam	963-39-3	1.0 mg/ml in Methanol	LGCAMP0028.02-01

Analyte	CAS number	Description	Product code
11-Deoxycortisol (17,21-Dihydroxypregn-4-ene-3,20-dione)	152-58-9	1.0 mg/ml in Methanol	LGCAMP0185.08-01
Desacetyldiltiazem	42399-40-6	1.0 mg/ml in Acetonitrile	LGCAMP0068.05-11
Desalkylflurazepam (7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one)	2886-65-9	1.0 mg/ml in Methanol	LGCAMP0070.02-01
Desalkylflurazepam-D4	1286430-01-0	0.1 mg/ml in Methanol	LGCAMP0070.81-02
Deschloroetizolam	40054-73-7	1.0 mg/ml in Methanol	LGCAMP1386.01-01
Desethylamiodarone Hydrochloride	96027-74-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0697.03-01
Desethylamodiaquine-D5 Dihydrochloride	1216894-33-5	0.1 mg/ml in Methanol (as free base)	LGCAMP0617.06-02
Desipramine-D3 Hydrochloride	65100-44-9	0.1 mg/ml in Methanol (as free base)	LGCAMP0589.80-02
Desipramine Hydrochloride	58-28-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0589.00-01
Desmethylchlorphenamine Maleate	22630-25-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0090.13-01
Desmethylchlorpromazine Hydrochloride	3953-65-9	1.0 mg/ml in Methanol (as free base)	LGCAMP0420.07-01
Desmethylcitalopram Hydrochloride	97743-99-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0242.09-01
N-Desmethyloclobazam (Norclobazam)	22316-55-8	0.1 mg/ml in Acetonitrile	LGCAMP0910.01-12
Desmethylclomipramine Hydrochloride	29854-14-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0545.08-01
Desmethyloclozapine (Norclozapine)	6104-71-8	1.0 mg/ml in Methanol	LGCAMP0480.03-01
N-Desmethylocyclobenzaprine Hydrochloride (Norcyclobenzaprine Hydrochloride)	438-59-5	1.0 mg/ml in Methanol (as free base)	LGCAMP0079.01-01
N-Desmethyldextromethorphan Hydrochloride (ent-3-Methoxymorphinan Hydrochloride)	1087-69-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0033.10-01

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Analyte	CAS number	Description	Product code
N-Desmethyldiltiazem Hydrochloride	130606-60-9	1.0 mg/ml in Acetonitrile (as free base)	LGCAMP0068.03-11
Desmethyldoxepin (cis/trans)	1225-56-5	1.0 mg/ml in Methanol	LGCAMP0032.08-01
Desmethyflunitrazepam	2558-30-7	1.0 mg/ml in Methanol	LGCAMP0069.02-01
	2558-30-7	0.1 mg/ml in Methanol	LGCAMP0069.02-02
Desmethyflunitrazepam-D4	1397234-19-3	0.1 mg/ml in Methanol	LGCAMP0069.82-02
Desmethylnortriptyline Hydrochloride	25887-71-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0079.16-01
rac-N-Desmethylselegiline Hydrochloride	2588-96-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0216.09-01
Desmethysibutramine Hydrochloride	84467-94-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0991.02-01
Desmethysildenafil (1-[[[3-(4,7-Dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo[4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl]sulfonyl]piperazine)	139755-82-1	1.0 mg/ml in Methanol	LGCAMP0254.08-01
O-Desmethysulpiride	67381-52-6	1.0 mg/ml in Dimethyl Sulfoxide	LGCAMP0051.07-29
N-Desmethyltramadol Hydrochloride	1018989-94-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0007.07-01
O-Desmethyltramadol Hydrochloride	185453-02-5	1.0 mg/ml in Methanol (as free base)	LGCAMP0007.06-01
Desmethyltrimipramine Hydrochloride	10464-24-1	1.0 mg/ml in Methanol (as free base)	LGCAMP0240.02-01
O-Desmethylvenlafaxine	93413-62-8	0.1 mg/ml in Methanol	LGCAMP0393.01-02
N-Desmethylvenlafaxine Hydrochloride	93413-90-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0393.04-01
Desomorphine (Dihydrodesoxymorphine; Krokodil)	427-00-9	1.0 mg/ml in Acetonitrile	LGCAMP0037.21-11

Analyte	CAS number	Description	Product code
Desoxypipradrol Hydrochloride (2-DPMP HCl)	5807-81-8	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.22-01
Dexamethasone	50-02-2	1.0 mg/ml in Methanol	LGCAMP0213.00-01
Dextromethorphan-D3	524713-56-2	0.1 mg/ml in Methanol	LGCAMP0033.80-02
Dextromethorphan Hydrobromide Monohydrate	6700-34-1	1.0 mg/ml in Methanol (as anhydrous free base)	LGCAMP0033.00-01
Dextropropoxyphene	469-62-5	1.0 mg/ml in Acetonitrile	LGCAMP0098.00-11
	469-62-5	0.1 mg/ml in Acetonitrile	LGCAMP0098.00-12
Dextrorphan Tartrate (O-Desmethyldextromethorphan Tartrate; ent-17-Methylmorphinan-3-ol (L)-Tartrate)	143-98-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0033.09-01
Diazepam	439-14-5	1.0 mg/ml in Methanol	LGCAMP0023.00-01
	439-14-5	0.1 mg/ml in Methanol	LGCAMP0023.00-02
Diazepam-D5	65854-76-4	1.0 mg/ml in Methanol	LGCAMP0023.80-01
	65854-76-4	0.1 mg/ml in Methanol	LGCAMP0023.80-02
Dibenzepine Hydrochloride	315-80-0	1.0 mg/ml in Methanol (as free base)	LGCAMP3036.00-01
Dibutylone Hydrochloride (bk-MMBDB HCl)	17763-12-1	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.14-01
3,4-Dichloromethylphenidate Hydrochloride (3,4-CTMP HCl; Methyl (2RS)-3,4-Dichlorophenyl[(2RS)-piperidin-2-yl]acetate Hydrochloride)	214149-42-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1031.13-01
Diclazepam	2894-68-0	1.0 mg/ml in Methanol	LGCAMP1850.01-01
Diclofenac Sodium	15307-79-6	1.0 mg/ml in Methanol (as free acid)	LGCAMP0006.00-01
Diclofensine Hydrochloride	34041-84-4	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.18-01

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Analyte	CAS number	Description	Product code
Didesmethylsibutramine Hydrochloride	84484-78-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0991.03-01
N,O-Didesmethyltramadol Hydrochloride	333338-16-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0007.08-01
Digoxin	20830-75-5	1.0 mg/ml in Methanol	LGCAMP0212.00-01
Dihydrocodeine-D6 Hydrochloride	1007844-33-8	0.1 mg/ml in Methanol (as free base)	LGCAMP0812.80-02
Dihydrocodeine Hydrochloride	36418-29-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0812.07-01
Dihydromorphine	509-60-4	1.0 mg/ml in Methanol	LGCAMP1369.01-01
	509-60-4	0.1 mg/ml in Methanol	LGCAMP1369.01-02
Diltiazem Hydrochloride	33286-22-5	1.0 mg/ml in Acetonitrile (as free base)	LGCAMP0068.00-11
Dimethocaine Hydrochloride	553-63-9	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.08-01
4,4'-Dimethylaminorex Hydrochloride (4,4'-DMAR HCl)	1823320-23-5	1.0 mg/ml in Acetonitrile (as free base)	LGCAMP1366.21-11
Dimethylcathinone Hydrochloride (N,N-Dimethylcathinone Hydrochloride; Metamfepramone Hydrochloride)	10105-90-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.30-01
3,4-Dimethylmethcathinone Hydrochloride (3,4-DMMC HCl)	1081772-06-6	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.42-01
Diphenhydramine-D3 Hydrochloride	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0490.81-02
Diphenhydramine Hydrochloride	147-24-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0490.00-01
Diphenidine Hydrochloride (1-(1,2-Diphenylethyl) piperidine Hydrochloride)	28383-15-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1366.15-01

Analyte	CAS number	Description	Product code
Diphenyl(piperidin-3-yl)methanol (Pipradrol 3-Isomer)	88783-30-6	1.0 mg/ml in Methanol	LGCAMP1099.03-01
Diphenyl(piperidin-4-yl)methanol (Azacyclonol; Pipradrol 4-Isomer)	115-46-8	1.0 mg/ml in Methanol	LGCAMP0055.02-01
Diphenylpyraline Hydrochloride	132-18-3	1.0 mg/ml in Methanol (as free base)	LGCAMP0557.00-01
Disopyramide	3737-09-5	1.0 mg/ml in Methanol	LGCAMP0108.00-01
Domperidone	57808-66-9	1.0 mg/ml in Methanol	LGCAMP0107.00-01
Donepezil Hydrochloride	120011-70-3	1.0 mg/ml in Methanol (as free base)	LGCAMP0677.00-01
Dothiepin Hydrochloride (Dosulepin Hydrochloride)	897-15-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0510.00-01
Doxapram Hydrochloride Monohydrate	7081-53-0	1.0 mg/ml in Methanol (as anhydrous free base)	LGCAMP0525.00-01
Doxepin-D3 Hydrochloride (cis/trans)	347840-07-7	0.1 mg/ml in Methanol (as free base)	LGCAMP0032.80-02
Doxepin Hydrochloride	1229-29-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0032.00-01
Doxylamine Hydrogen Succinate	562-10-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0101.00-01
Dronedarone Hydrochloride	141625-93-6	1.0 mg/ml in Methanol (as free base)	LGCAMP1294.00-01
Droperidol	548-73-2	1.0 mg/ml in Dimethyl Sulfoxide	LGCAMP0138.00-29
Duloxetine Hydrochloride	136434-34-9	1.0 mg/ml in Methanol (as free base)	LGCAMP1122.00-01
5-EAPB HCl (1-(Benzofuran-5-yl)-N-ethylpropan-2-amine Hydrochloride)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1389.07-01

Solutions reference materials

Analyte	CAS number	Description	Product code
6-EAPB HCl (1-(Benzofuran-6-yl)-N-ethylpropan-2-amine Hydrochloride)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1389.08-01
Ecgonine-D3 Methyl Ester	136765-34-9	0.1 mg/ml in Acetonitrile	LGCAMP1345.85-12
Ecgonine Ethyl Ester	70939-97-8	0.1 mg/ml in Acetonitrile	LGCAMP1345.08-12
Ecgonine Methyl Ester	7143-09-1	1.0 mg/ml in Acetonitrile	LGCAMP1345.07-11
EDDP Perchlorate (2-Ethyl-1,5-dimethyl-3,3-diphenylpyrrolinium Perchlorate)	31161-17-8	1.0 mg/ml in Methanol (as Pyrrolinium)	LGCAMP0531.07-01
	31161-17-8	0.1 mg/ml in Methanol (as Pyrrolinium)	LGCAMP0531.07-02
EDDP-D3 Perchlorate (2-(2,2,2-Trideuteroethyl-1,5-dimethyl-3,3-diphenylpyrrolinium Perchlorate)	136765-23-6	1.0 mg/ml in Methanol (as Pyrrolinium)	LGCAMP0531.81-01
	136765-23-6	0.1 mg/ml in Methanol (as Pyrrolinium)	LGCAMP0531.81-02
Embutramide	15687-14-6	1.0 mg/ml in Acetonitrile	LGCAMP3065.00-11
4-EMC HCl (4-Ethylmethcathinone Hydrochloride)	1391053-87-4	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.04-01
(1S,2R)-(+)-Ephedrine-D3 Hydrochloride	285979-73-9	1.0 mg/ml in Methanol (as free base)	LGCAMP0652.81-01
(1R,2S)-Ephedrine Hydrochloride	50-98-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0652.00-01
(1S,2R)-(+)-Ephedrine Hydrochloride	24221-86-1	1.0 mg/ml in Methanol (as free base)	LGCAMP0652.03-01
Ephedrine Sulphate	134-72-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1147.00-01
Epitestosterone	481-30-1	1.0 mg/ml in Acetonitrile	LGCAMP0323.03-11
Ergometrine Maleate	129-51-1	1.0 mg/ml in Methanol (as free base)	LGCAMP1385.00-01

Analyte	CAS number	Description	Product code
Estazolam	29975-16-4	1.0 mg/ml in Methanol	LGCAMP1354.00-01
	29975-16-4	0.1 mg/ml in Methanol	LGCAMP1354.00-02
Estazolam-D5	170082-16-3	0.1 mg/ml in Methanol	LGCAMP1354.80-02
Estradiol Hemihydrate	35380-71-3	1.0 mg/ml in Acetonitrile (anhydrous substance)	LGCAMP0300.00-11
Estriol	50-27-1	1.0 mg/ml in Methanol	LGCAMP0130.00-01
Estrone	53-16-7	1.0 mg/ml in Methanol	LGCAMP0282.00-01
Etaqualone	7432-25-9	1.0 mg/ml in Methanol	LGCAMP1356.02-01
Ethcathinone Hydrochloride (N-Ethylcathinone Hydrochloride)	51553-17-4	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.08-01
Ethenzamide	938-73-8	1.0 mg/ml in Methanol	LGCAMP3063.00-01
Ethosuximide	77-67-8	1.0 mg/ml in Methanol	LGCAMP0750.00-01
N-Ethylbuphedrone Hydrochloride (NEB HCl; alpha-Ethylaminobutyrophenone Hydrochloride)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.12-01
beta-Ethylmethcathinone Hydrochloride (Pentedrone Hydrochloride)	879669-95-1	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.63-01
Ethylmorphine	76-58-4	1.0 mg/ml in Methanol	LGCAMP0799.07-01
Ethylmorphine-D ₅	1309441-17-5	1.0 mg/ml in Methanol	LGCAMP0799.81-01
	1309441-17-5	0.1 mg/ml in Methanol	LGCAMP0799.81-02
Ethylone-D5 Hydrochloride	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP1343.02-02
Ethylone Hydrochloride	1454266-19-3	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.02-01

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Analyte	CAS number	Description	Product code
Ethylphenidate Hydrochloride	19716-79-1	1.0 mg/ml in Acetonitrile (as free base)	LGCAMP1031.09-11
Etizolam	40054-69-1	1.0 mg/ml in Methanol	LGCAMP1386.00-01
	40054-69-1	0.1 mg/ml in Methanol	LGCAMP1386.00-02
Etofylline	519-37-9	1.0 mg/ml in Methanol	LGCAMP0603.00-01
Etomidate	33125-97-2	1.0 mg/ml in Methanol	LGCAMP1264.00-01
	33125-97-2	0.1 mg/ml in Methanol	LGCAMP1264.00-02
Eutylone Hydrochloride (1-(3,4-Methylene-dioxyphenyl)-2-ethylamino-butan-1-one Hydrochloride)	17764-18-0	1.0 mg/ml in Methanol (as free base)	LGCAMP1366.06-01
Famotidine	76824-35-6	1.0 mg/ml in Methanol	LGCAMP0029.00-01
Famprofazone	22881-35-2	1.0 mg/ml in Methanol	LGCAMP0994.00-01
Fenfluramine Hydrochloride	404-82-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0608.00-01
Fentanyl	437-38-7	1.0 mg/ml in Methanol	LGCAMP0528.00-01
	437-38-7	0.1 mg/ml in Methanol	LGCAMP0528.00-02
Fentanyl-D5	118357-29-2	0.1 mg/ml in Methanol	LGCAMP0528.80-02
Flephedrone Hydrochloride (4-Fluoromethcathinone Hydrochloride)	7589-35-7	1.0 mg/ml in Dimethyl Sulfoxide (as free base)	LGCAMP1275.33-29
Flubromazepam (7-Bromo-5-(2-fluoro-phenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one)	2647-50-9	1.0 mg/ml in Methanol	LGCAMP1442.00-01
Fluconazole	86386-73-4	2.0 mg/ml in Methanol	LGCAMP0235.00-07
Flucytosine	2022-85-7	2.0 mg/ml in Methanol	LGCAMP0355.00-07
Flunarizine Dihydrochloride	30484-77-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0175.00-01

Analyte	CAS number	Description	Product code
Flunitrazepam	1622-62-4	1.0 mg/ml in Methanol	LGCAMP0069.00-01
	1622-62-4	0.1 mg/ml in Methanol	LGCAMP0069.00-02
Flunitrazepam-D7	1286448-08-5	0.1 mg/ml in Methanol	LGCAMP0069.80-02
4-Fluoroamphetamine Hydrochloride	64609-06-9	1.0 mg/ml in Methanol (as free base)	LGCAMP0741.02-01
2-Fluoromethcathinone Hydrochloride (1-(2-Fluorophenyl)-2-(methylamino)propan-1-one Hydrochloride)	1346599-37-8	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.64-01
3-Fluoromethcathinone Hydrochloride (1-(3-Fluorophenyl)-2-(methylamino)propan-1-one Hydrochloride)	1346600-40-5	1.0 mg/ml in Dimethyl Sulfoxide (as free base)	LGCAMP1275.43-29
3-Fluorophenmetrazine Hydrochloride (3-FPM HCl)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1692.02-01
para-Fluorophenylpiperazine Dihydrochloride (1-(4-Fluorophenyl)piperazine Dihydrochloride)	64090-19-3	1.0 mg/ml in Dimethyl Sulfoxide (as free base)	LGCAMP1280.02-29
4-Fluorotropacocaine (3-Pseudotropyl 4-Fluorobenzoate; 3beta-(p-Fluorobenzoyloxy) tropane)	172883-97-5	1.0 mg/ml in Acetonitrile	LGCAMP1275.13-11
	172883-97-5	0.1 mg/ml in Acetonitrile	LGCAMP1275.13-12
Fluoxetine Hydrochloride	56296-78-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0256.00-01
Fluoxymesterone	76-43-7	1.0 mg/ml in Acetonitrile	LGCAMP0959.00-11
Fluphenazine Dihydrochloride	146-56-5	1.0 mg/ml in Methanol (as free base)	LGCAMP0114.00-01
Flurazepam	17617-23-1	1.0 mg/ml in Methanol	LGCAMP0070.06-01
	17617-23-1	0.1 mg/ml in Methanol	LGCAMP0070.06-02
Glibenclamide	10238-21-8	1.0 mg/ml in Acetonitrile	LGCAMP0008.00-11
Haloperidol	52-86-8	1.0 mg/ml in Methanol	LGCAMP1165.00-01

Solutions reference materials

Analyte	CAS number	Description	Product code
Haloperidol-D4	136765-35-0	0.1 mg/ml in Methanol	LGCAMP1165.80-02
Heroin (Diacetylmorphine)	561-27-3	1.0 mg/ml in Acetonitrile	LGCAMP0037.17-11
Heroin-D9 (Diacetylmorphine-D9)	1338713-49-7	1.0 mg/ml in Acetonitrile	LGCAMP0037.87-11
	1338713-49-7	0.1 mg/ml in Acetonitrile	LGCAMP0037.87-12
Hexobarbital	56-29-1	1.0 mg/ml in Methanol	LGCAMP1349.00-01
Hordenine Hydrochloride (4-Hydroxy-N,N-dimethylphenethylamine Hydrochloride)	6027-23-2	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.49-01
Hydrochlorothiazide	58-93-5	1.0 mg/ml in Methanol	LGCAMP0011.00-01
Hydrocodone	125-29-1	1.0 mg/ml in Methanol	LGCAMP1113.14-01
	125-29-1	0.1 mg/ml in Methanol	LGCAMP1113.14-02
Hydrocodone-D3	136765-36-1	0.1 mg/ml in Methanol	LGCAMP1113.80-02
Hydrocodone-D6	1007844-38-3	0.1 mg/ml in Methanol	LGCAMP1113.81-02
Hydromorphone	466-99-9	1.0 mg/ml in Methanol	LGCAMP0371.06-01
	466-99-9	0.1 mg/ml in Methanol	LGCAMP0371.06-02
Hydromorphone-D3	136765-37-2	0.1 mg/ml in Methanol	LGCAMP0371.80-02
trans-11-Hydroxy-Delta9-THC ((6aRS,10aRS)-11-Hydroxy-Delta9-tetrahydrocannabinol)	34675-49-5	1.0 mg/ml in Methanol	LGCAMP1088.03-01
	34675-49-5	0.1 mg/ml in Methanol	LGCAMP1088.03-02
alpha-Hydroxyalprazolam	37115-43-8	1.0 mg/ml in Methanol	LGCAMP0136.02-01
	37115-43-8	0.1 mg/ml in Methanol	LGCAMP0136.02-02
alpha-Hydroxyalprazolam-D5	136765-24-7	1.0 mg/ml in Methanol	LGCAMP0136.81-01
	136765-24-7	0.1 mg/ml in Methanol	LGCAMP0136.81-02

Analyte	CAS number	Description	Product code
Hydroxychloroquine Sulphate	747-36-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0764.00-01
10-Hydroxy-10,11-dihydrocarbamazepine	29331-92-8	1.0 mg/ml in Acetonitrile	LGCAMP0076.10-11
2-Hydroxyethylflurazepam	20971-53-3	1.0 mg/ml in Methanol	LGCAMP0070.07-01
	20971-53-3	0.1 mg/ml in Methanol	LGCAMP0070.07-02
2-Hydroxyethylflurazepam-D4	n/a	0.1 mg/ml in Methanol	LGCAMP0070.82-02
Hydroxymethylcelecoxib (4-[5-[4-(Hydroxymethyl)phenyl]-3-(trifluoromethyl)-1H-pyrazol-1-yl]benzenesulfonamide)	170571-00-3	1.0 mg/ml in Methanol	LGCAMP0344.02-01
alpha-Hydroxymidazolam	59468-90-5	0.1 mg/ml in Methanol	LGCAMP1106.03-02
3-Hydroxyphenazepam	70030-11-4	1.0 mg/ml in Methanol	LGCAMP0828.01-01
4-Hydroxyphenytoin (5-(4-Hydroxyphenyl)-5-phenylhydantoin)	2784-27-2	0.1 mg/ml in Methanol	LGCAMP0630.09-02
9-Hydroxyrisperidone	144598-75-4	1.0 mg/ml in Methanol	LGCAMP0491.03-01
alpha-Hydroxytriazolam	37115-45-0	1.0 mg/ml in Methanol	LGCAMP1363.01-01
	37115-45-0	0.1 mg/ml in Methanol	LGCAMP1363.01-02
Hydroxyzine Hydrochloride	2192-20-3	1.0 mg/ml in Methanol (as free base)	LGCAMP0852.00-01
Ibuprofen	15687-27-1	1.0 mg/ml in Methanol	LGCAMP0002.00-01
Imipramine-D3 Maleate	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0077.80-02
Imipramine Hydrochloride	113-52-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0077.00-01
Indapamide	26807-65-8	1.0 mg/ml in Methanol	LGCAMP0477.00-01
Indometacin	53-86-1	1.0 mg/ml in Acetonitrile	LGCAMP0584.00-11

Solutions reference materials

Analyte	CAS number	Description	Product code
5-Iodo-2-aminoindane Hydrochloride (5-IAI HCl)	446879-25-0	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.78-01
Isocodeine	509-64-8	0.1 mg/ml in Methanol	LGCAMP0004.08-02
Isosorbide Mononitrate	16051-77-7	1.0 mg/ml in Dimethyl Sulfoxide	LGCAMP0502.00-29
Itraconazole	84625-61-6	2.0 mg/ml in Dimethyl Sulfoxide	LGCAMP0258.00-36
JWH-007 (1-Pentyl-2-methyl-3-(1-naphthoyl) indole)	155471-10-6	1.0 mg/ml in Acetonitrile	LGCAMP1275.55-11
	155471-10-6	0.1 mg/ml in Acetonitrile	LGCAMP1275.55-12
JWH-015 ((2-Methyl-1-propylindol-3-yl) (naphthalen-1-yl)methanone)	155471-08-2	1.0 mg/ml in Acetonitrile	LGCAMP1275.72-11
	155471-08-2	0.1 mg/ml in Acetonitrile	LGCAMP1275.72-12
JWH-018 ((Naphthalen-1-yl)(1-pentylindol-3-yl) methanone)	209414-07-3	1.0 mg/ml in Acetonitrile	LGCAMP1396.09-11
	209414-07-3	0.1 mg/ml in Acetonitrile	LGCAMP1396.09-12
JWH-081 ((4-Methoxynaphthalen-1-yl) (1-pentylindol-3-yl)methanone)	210179-46-7	1.0 mg/ml in Acetonitrile	LGCAMP1275.31-11
	210179-46-7	0.1 mg/ml in Acetonitrile	LGCAMP1275.31-12
JWH-098 ((4-Methoxynaphthalen-1-yl)(2-methyl-1-pentylindol-3-yl)methanone)	316189-74-9	1.0 mg/ml in Acetonitrile	LGCAMP1275.73-11
JWH-122 ((4-Methylnaphthalen-1-yl) (1-pentylindol-3-yl)methanone)	619294-47-2	1.0 mg/ml in Acetonitrile	LGCAMP1275.66-11
	619294-47-2	0.1 mg/ml in Acetonitrile	LGCAMP1275.66-12
JWH-203 (2-(2-Chlorophenyl)-1-(1-pentylindol-3-yl)ethanone)	864445-54-5	1.0 mg/ml in Acetonitrile	LGCAMP1275.70-11
	864445-54-5	0.1 mg/ml in Acetonitrile	LGCAMP1275.70-12
JWH-210 ((4-Ethynaphthalen-1-yl)(1-pentylindol-3-yl)methanone)	824959-81-1	1.0 mg/ml in Acetonitrile	LGCAMP1275.67-11
	824959-81-1	0.1 mg/ml in Acetonitrile	LGCAMP1275.67-12

Analyte	CAS number	Description	Product code
JWH-250 (2-(2-Methoxyphenyl)-1-(1-pentylindol-3-yl)ethanone)	864445-43-2	1.0 mg/ml in Acetonitrile	LGCAMP1396.14-11
	864445-43-2	0.1 mg/ml in Acetonitrile	LGCAMP1396.14-12
JWH-398 ((4-Chloronaphthalen-1-yl) (1-pentylindol-3-yl)methanone)	1292765-18-4	1.0 mg/ml in Acetonitrile	LGCAMP1275.68-11
Ketamine-D4 Hydrochloride	1246815-97-3	0.1 mg/ml in Methanol (as free base)	LGCAMP0144.80-02
Ketamine Hydrochloride	1867-66-9	1.0 mg/ml in Methanol (as free base)	LGCAMP0144.00-01
Ketoconazole	65277-42-1	2.0 mg/ml in Methanol	LGCAMP0145.00-07
Ketorolac Trometamol	74103-07-4	1.0 mg/ml in Methanol (as free acid)	LGCAMP0851.00-01
Ketotifen Hydrogen Fumarate	34580-14-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0180.00-01
Lamotrigine	84057-84-1	1.0 mg/ml in Methanol	LGCAMP0922.00-01
LAMPA (Lysergic Acid N-Methyl-N-propylamide)	40158-98-3	1.0 mg/ml in Acetonitrile	LGCAMP1346.06-11
	40158-98-3	0.025 mg/ml in Acetonitrile	LGCAMP1346.06-13
Levamisole Hydrochloride	16595-80-5	1.0 mg/ml in Methanol (as free base)	LGCAMP0706.00-01
Levetiracetam	102767-28-2	1.0 mg/ml in Methanol	LGCAMP1372.00-01
Levomepromazine Maleate	7104-38-3	1.0 mg/ml in Methanol (as free base)	LGCAMP0019.00-01
Levomepromazine Sulphoxide	7606-29-3	1.0 mg/ml in Methanol	LGCAMP0019.01-01
Lidocaine	137-58-6	1.0 mg/ml in Methanol	LGCAMP0102.00-01
Loratadine	79794-75-5	0.1 mg/ml in Methanol	LGCAMP0257.00-02

Solutions reference materials

Analyte	CAS number	Description	Product code
Lorazepam	846-49-1	1.0 mg/ml in Acetonitrile	LGCAMP0071.00-11
	846-49-1	0.1 mg/ml in Acetonitrile	LGCAMP0071.00-12
Lorazepam Acetate ((3RS)-7-Chloro-5-(2-chlorophenyl)-2-oxo-2,3-dihydro-1H-1,4-benzodiazepin-3-yl Acetate)	2848-96-6	0.1 mg/ml in Acetonitrile	LGCAMP0071.07-12
Lorazepam-D4	84344-15-0	1.0 mg/ml in Acetonitrile	LGCAMP0071.80-11
	84344-15-0	0.1 mg/ml in Acetonitrile	LGCAMP0071.80-12
Lormetazepam	848-75-9	1.0 mg/ml in Methanol	LGCAMP0072.00-01
	848-75-9	0.1 mg/ml in Methanol	LGCAMP0072.00-02
LSD (Lysergic Acid Diethylamide)	50-37-3	1.0 mg/ml in Acetonitrile	LGCAMP1346.00-11
	50-37-3	0.025 mg/ml in Acetonitrile	LGCAMP1346.00-13
5-MAPB HCl (1-(Benzofuran-5-yl)-N-methylpropan-2-amine Hydrochloride)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1389.05-01
MDPPP HCl (3,4-Methylenedioxy-alpha-pyrrolidinopropiophenone Hydrochloride)	24698-57-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.13-01
Maprotiline Hydrochloride	10347-81-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0820.00-01
rac-MBDB-D5 (rac-N-Methyl-1-(3,4-Methylenedioxyphenyl)-2-butanamine-D5)	362043-98-9	0.1 mg/ml in Methanol	LGCAMP1364.09-02
rac-MBDB HCl (rac-N-Methyl-1-(3,4-Methylenedioxyphenyl)-2-butanamine Hydrochloride)	128767-12-4	1.0 mg/ml in Methanol (as free base)	LGCAMP1360.09-01
m-CPP HCl (1-(3-Chlorophenyl)piperazine Hydrochloride)	13078-15-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0421.09-01
rac-MDA (rac-3,4-Methylenedioxyamphetamine)	4764-17-4	1.0 mg/ml in Methanol	LGCAMP1360.05-01
rac-MDA-D5 (rac-3,4-Methylenedioxyamphetamine-D5)	136765-42-9	1.0 mg/ml in Methanol	LGCAMP1364.05-01
	136765-42-9	0.1 mg/ml in Methanol	LGCAMP1364.05-02

Analyte	CAS number	Description	Product code
MDAI (5,6-Methylenedioxy-2-aminoindane)	132741-81-2	1.0 mg/ml in Acetonitrile	LGCAMP1275.05-11
rac-MDEA (rac-3,4-Methylenedioxy-N-ethylamphetamine)	82801-81-8	1.0 mg/ml in Methanol	LGCAMP1360.07-01
rac-MDEA-D5 (rac-3,4-Methylenedioxy-N-ethylamphetamine-D5)	160227-43-0	1.0 mg/ml in Methanol	LGCAMP1364.07-01
	160227-43-0	0.1 mg/ml in Methanol	LGCAMP1364.07-02
rac-MDEA-D6 (rac-3,4-Methylenedioxy-N-ethylamphetamine-D6)	160227-44-1	0.1 mg/ml in Methanol	LGCAMP1364.08-02
rac-MDMA (rac-3,4-Methylenedioxymethamphetamine)	42542-10-9	1.0 mg/ml in Methanol	LGCAMP1360.06-01
rac-MDMA-D5 (rac-3,4-Methylenedioxymethamphetamine-D5)	136765-43-0	1.0 mg/ml in Methanol	LGCAMP1364.06-01
	136765-43-0	0.1 mg/ml in Methanol	LGCAMP1364.06-02
5-MeO-DALT (5-Methoxy-N,N-diallyltryptamine)	928822-98-4	1.0 mg/ml in Acetonitrile	LGCAMP1275.07-11
3-MeO-PCE HCl (3-Methoxyeticyclidine Hydrochloride; 2-(3-Methoxyphenyl)-2-(ethylamino)cyclohexane Hydrochloride)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1366.10-01
3-MeO-PCP HCl (3-Methoxyphencyclidine Hydrochloride)	91164-58-8	1.0 mg/ml in Methanol (as free base)	LGCAMP1366.09-01
4-MeO-PCP HCl (4-Methoxyphencyclidine Hydrochloride)	2185-93-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1366.01-01
4-MePPP HCl (4-Methyl-alpha-pyrrolidinopropiophenone Hydrochloride)	1313393-58-6	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.10-01
Meclofenoxate Hydrochloride	3685-84-5	1.0 mg/ml in Acetonitrile (as free base)	LGCAMP0044.00-11
Mefruside	7195-27-9	1.0 mg/ml in Methanol	LGCAMP1399.00-01
Melamine	108-78-1	1.0 mg/ml in Dimethyl Sulfoxide	LGCAMP0056.04-29
Melatonin	73-31-4	1.0 mg/ml in Methanol	LGCAMP1373.00-01

Solutions reference materials

Analyte	CAS number	Description	Product code
Meloxicam	71125-38-7	1.0 mg/ml in Dimethyl Sulfoxide	LGCAMP0246.00-29
Melperone	3575-80-2	1.0 mg/ml in Methanol	LGCAMP0321.00-01
Mephedrone-D3 Hydrochloride (4-MMC-D3 HCl; 4-Methylmethcathinone-D3 Hydrochloride)	1189972-79-9	0.1 mg/ml in Methanol (as free base)	LGCAMP1405.01-02
Mephedrone Hydrochloride (4-MMC HCl; 4-Methylmethcathinone Hydrochloride)	1189726-22-4	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.01-01
Mephentermine Hemisulphate	1212-72-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0740.00-01
Mephénytoin	50-12-4	1.0 mg/ml in Methanol	LGCAMP0348.00-01
Meprobamate	57-53-4	1.0 mg/ml in Methanol	LGCAMP0929.00-01
Mesterolone	1424-00-6	1.0 mg/ml in Acetonitrile	LGCAMP0495.00-11
Metamizole Sodium Monohydrate	5907-38-0	1.0 mg/ml in Dimethyl Sulfoxide (as anhydrous free acid)	LGCAMP0052.00-29
Metformin Hydrochloride	1115-70-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0056.00-01
rac-Methadone	76-99-3	1.0 mg/ml in Methanol	LGCAMP0531.08-01
	76-99-3	0.1 mg/ml in Methanol	LGCAMP0531.08-02
rac-Methadone-D3	60263-63-0	1.0 mg/ml in Methanol	LGCAMP0531.80-01
	60263-63-0	0.1 mg/ml in Methanol	LGCAMP0531.80-02
rac-Methadone-D9	n/a	1.0 mg/ml in Methanol	LGCAMP0531.82-01
	n/a	0.1 mg/ml in Methanol	LGCAMP0531.82-02

Analyte	CAS number	Description	Product code
rac-Methamphetamine	7632-10-2	1.0 mg/ml in Methanol	LGCAMP0964.01-01
	7632-10-2	0.1 mg/ml in Methanol	LGCAMP0964.01-02
rac-Methamphetamine-D ₁₄ Hydrochloride	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP0964.87-01
	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0964.87-02
rac-Methamphetamine-D5	60124-88-1	1.0 mg/ml in Methanol	LGCAMP0964.80-01
	60124-88-1	0.1 mg/ml in Methanol	LGCAMP0964.80-02
Methamphetamine Hydrochloride ((S)-(+)-Methamphetamine Hydrochloride)	51-57-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0964.00-01
	51-57-0	0.1 mg/ml in Methanol (as free base)	LGCAMP0964.00-02
rac-Methamphetamine-D ₁₁ Hydrochloride	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP0964.86-01
	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0964.86-02
rac-Methamphetamine-D ₉ Hydrochloride	1219805-48-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0964.89-01
	1219805-48-7	0.1 mg/ml in Methanol (as free base)	LGCAMP0964.89-02
Methaqualone	72-44-6	1.0 mg/ml in Methanol	LGCAMP1356.00-01
	72-44-6	0.1 mg/ml in Methanol	LGCAMP1356.00-02
Methaqualone-D7	136765-41-8	0.1 mg/ml in Methanol	LGCAMP1356.80-02
Metharbital	50-11-3	1.0 mg/ml in Methanol	LGCAMP1656.00-01
Methasterone	3381-88-2	1.0 mg/ml in Methanol	LGCAMP3331.00-01

Solutions reference materials

Analyte	CAS number	Description	Product code
Methcathinone Hydrochloride	49656-78-2	1.0 mg/ml in Methanol (as free base)	LGCAMP2115.01-01
(S)-(-)-Methcathinone Hydrochloride	66514-93-0	1.0 mg/ml in Methanol (as free base)	LGCAMP1360.04-01
Methedrone-D3 Hydrochloride	1231710-62-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1343.04-01
Methedrone Hydrochloride	879665-92-6	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.04-01
Methenolone	153-00-4	1.0 mg/ml in Acetonitrile	LGCAMP1374.00-11
Methohexital	151-83-7	1.0 mg/ml in Methanol	LGCAMP1347.00-01
Methotrexate	59-05-2	1.0 mg/ml in Dimethyl Sulfoxide	LGCAMP0040.00-29
Methoxetamine Hydrochloride	1239908-48-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.65-01
Methoxyphenidine Hydrochloride (1-[1-(2-Methoxyphenyl)-2-phenylethyl]piperidine Hydrochloride)	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1366.16-01
Methoxypiperamide Hydrochloride	21091-92-9	1.0 mg/ml in Methanol (as free base)	LGCAMP1366.18-01
1-Methylamino-1-(3,4-methylenedioxyphenyl) propane Hydrochloride	1134709-81-1	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.41-01
N-Methyl-2-aminoindane Hydrochloride (N-methyl-2-AI HCl; NM2AI HCl)	10408-85-2	1.0 mg/ml in Methanol (as free base)	LGCAMP1389.09-01
O-Methylcodeine	2859-16-7	0.1 mg/ml in Acetonitrile	LGCAMP0004.03-12
3,4-Methylenedioxy-N-benzylcathinone Hydrochloride	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.60-01
3,4-Methylenedioxycathinone Hydrochloride (MDC HCl; bk-MDA HCl)	38061-37-9	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.05-01

Analyte	CAS number	Description	Product code
Methylenedioxypropylvalerone Hydrochloride (MDPV HCl)	24622-62-6	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.34-01
3,4-Methylenedioxypropylvalerone-D8 Hydrochloride (MDPV-D8 Hydrochloride)	1246820-09-6	0.1 mg/ml in Methanol (as free base)	LGCAMP1343.34-02
3',4'-Methylenedioxy- α -pyrrolidinobutiophenone Hydrochloride (MDPBP HCl)	24622-60-4	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.61-01
Methylephedrine ((1R,2S)-Methylephedrine)	552-79-4	1.0 mg/ml in Methanol	LGCAMP0652.04-01
Methylethcathinone Hydrochloride (4-Methyl-N-ethylcathinone Hydrochloride; 4-MEC HCl)	1266688-86-1	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.20-01
Methylone-D3 Hydrochloride	1246820-21-2	0.1 mg/ml in Methanol (as free base)	LGCAMP1343.01-02
Methylone Hydrochloride	186028-80-8	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.01-01
Methylphenidate Hydrochloride	23655-65-4	1.0 mg/ml in Methanol (as free base)	LGCAMP1031.00-01
Methylphenobarbital	115-38-8	1.0 mg/ml in Methanol	LGCAMP1700.00-01
	115-38-8	0.1 mg/ml in Methanol	LGCAMP1700.00-02
N-Methyl-2-phenylethylamine Hydrochloride (N-Methyl-PEA HCl)	4104-43-2	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.54-01
1-Methyl-4-(phenylmethyl)piperazine Hydrochloride (MBZP HCl)	374898-00-7	1.0 mg/ml in Methanol (as free base)	LGCAMP1280.01-01
4'-Methyl- α -pyrrolidinobutiophenone Hydrochloride (MPBP HCl)	1214-15-9	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.62-01
Methyltestosterone (17 α -Methyltestosterone)	58-18-4	1.0 mg/ml in Acetonitrile	LGCAMP0558.00-11
Metoprolol Tartrate	56392-17-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0027.00-01
Metronidazole	443-48-1	2.0 mg/ml in Methanol	LGCAMP0012.00-07

Solutions reference materials

Analyte	CAS number	Description	Product code
Mexedrone Hydrochloride	n/a	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.16-01
Mianserin-D3	81957-76-8	0.1 mg/ml in Methanol	LGCAMP0147.80-02
Mianserin Hydrochloride	21535-47-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0147.00-01
Midazolam	59467-70-8	1.0 mg/ml in Methanol	LGCAMP1106.00-01
	59467-70-8	0.1 mg/ml in Methanol	LGCAMP1106.00-02
Midazolam-D4 Maleate	1435938-30-9	0.1 mg/ml in Methanol (as free base)	LGCAMP1106.80-02
Mifepristone	84371-65-3	1.0 mg/ml in Acetonitrile	LGCAMP1007.00-11
Milnacipran Hydrochloride	101152-94-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0746.00-01
Mirtazapine	85650-52-8	1.0 mg/ml in Methanol	LGCAMP1005.00-01
2-MMC HCl (2-Methylmethcathinone Hydrochloride)	1246815-51-9	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.02-01
3-MMC HCl (3-Methylmethcathinone Hydrochloride)	1246816-62-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.03-01
Moclobemide	71320-77-9	1.0 mg/ml in Methanol	LGCAMP0250.00-01
Modafinil	68693-11-8	1.0 mg/ml in Acetonitrile	LGCAMP0540.00-11
Molsidomine	25717-80-0	1.0 mg/ml in Methanol	LGCAMP0267.00-01
Morphine	57-27-2	1.0 mg/ml in Methanol	LGCAMP0037.09-01
	57-27-2	0.1 mg/ml in Methanol	LGCAMP0037.09-02
Morphine-D3	67293-88-3	1.0 mg/ml in Methanol	LGCAMP0037.80-01
	67293-88-3	0.1 mg/ml in Methanol	LGCAMP0037.80-02

Analyte	CAS number	Description	Product code
Morphine-D3 6-beta-Glucuronide	219533-69-4	0.1 mg/ml in Water	LGCAMP0037.84-34
Morphine 6-beta-D-Glucuronide	20290-10-2	1.0 mg/ml in Water	LGCAMP0037.16-30
	20290-10-2	0.1 mg/ml in Water	LGCAMP0037.16-34
Morphine N-Oxide	639-46-3	0.1 mg/ml in Methanol	LGCAMP0037.03-02
Moxonidine	75438-57-2	1.0 mg/ml in Methanol	LGCAMP1278.00-01
1M-3PP HCl (Methyl-3-phenylpropylamine Hydrochloride)	30684-07-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0256.02-01
Nadolol	42200-33-9	1.0 mg/ml in Methanol	LGCAMP0439.00-01
Nalorphine Hydrochloride	57-29-4	1.0 mg/ml in Methanol (as free base)	LGCAMP1013.00-01
Naloxone Hydrochloride Dihydrate	51481-60-8	1.0 mg/ml in Methanol (as anhydrous free base)	LGCAMP0272.00-01
Naloxone N-Oxide	112242-14-5	1.0 mg/ml in Methanol	LGCAMP0272.03-01
	112242-14-5	0.1 mg/ml in Methanol	LGCAMP0272.03-02
Naltrexone Hydrochloride	16676-29-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0233.00-01
Nandrolone	434-22-0	1.0 mg/ml in Acetonitrile	LGCAMP0660.00-11
Naphyrone Hydrochloride (1-Naphthalen-2-yl-2-pyrrolidin-1-ylpentan-1-one Hydrochloride)	850352-11-3	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.06-01
Naproxen	22204-53-1	1.0 mg/ml in Methanol	LGCAMP0152.00-01
Nefazodone Hydrochloride	82752-99-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0591.00-01
Nefopam Hydrochloride	23327-57-3	1.0 mg/ml in Methanol (as free base)	LGCAMP1189.00-01

Solutions reference materials

Analyte	CAS number	Description	Product code
Nicergoline	27848-84-6	1.0 mg/ml in Acetonitrile	LGCAMP0115.00-11
Nicotinamide	98-92-0	1.0 mg/ml in Methanol	LGCAMP0552.00-01
Nicotinic Acid	59-67-6	1.0 mg/ml in Methanol	LGCAMP0553.00-01
Nitracaine Hydrochloride	n/a	1.0 mg/ml in Acetonitrile (as free base)	LGCAMP1366.17-11
Nitrazepam	146-22-5	1.0 mg/ml in Acetonitrile	LGCAMP0078.00-11
	146-22-5	0.1 mg/ml in Acetonitrile	LGCAMP0078.00-12
Nitrazepam-D5	136765-45-2	0.1 mg/ml in Acetonitrile	LGCAMP0078.80-12
trans-11-Nor-9-carboxy-Delta9-THC	104874-50-2	0.1 mg/ml in Methanol	LGCAMP1088.05-02
trans-11-Nor-9-carboxy-Delta9-THC-D3	136844-96-7	1.0 mg/ml in Methanol	LGCAMP1088.82-01
	136844-96-7	0.1 mg/ml in Methanol	LGCAMP1088.82-02
11-Nor-9-carboxy-Delta9-THC-D9	1435934-70-5	1.0 mg/ml in Methanol	LGCAMP1088.83-01
	1435934-70-5	0.1 mg/ml in Methanol	LGCAMP1088.83-02
Norandrostenedione (19-Norandrost-4-ene-3,17-dione)	734-32-7	1.0 mg/ml in Acetonitrile	LGCAMP0660.01-11
19-Norandrosterone	1225-01-0	1.0 mg/ml in Methanol	LGCAMP0660.03-01
(-)-11-Nor-9-carboxy-Delta9-THC	56354-06-4	1.0 mg/ml in Methanol	LGCAMP1088.06-01
	56354-06-4	0.1 mg/ml in Methanol	LGCAMP1088.06-02
Norcocaine-D3 Hydrochloride	n/a	0.1 mg/ml in Acetonitrile (as free base)	LGCAMP1345.87-12
Norcocaine Hydrochloride	61585-22-6	1.0 mg/ml in Acetonitrile (as free base)	LGCAMP1345.01-11

Analyte	CAS number	Description	Product code
Norcodeine	467-15-2	1.0 mg/ml in Methanol	LGCAMP0004.05-01
rac-Norcotinine	17708-87-1	1.0 mg/ml in Methanol	LGCAMP0517.14-01
Nordazepam (Nordiazepam)	1088-11-5	1.0 mg/ml in Methanol	LGCAMP0023.02-01
	1088-11-5	0.1 mg/ml in Methanol	LGCAMP0023.02-02
Nordazepam-D5 (Nordiazepam-D5)	65891-80-7	1.0 mg/ml in Methanol	LGCAMP0023.81-01
	65891-80-7	0.1 mg/ml in Methanol	LGCAMP0023.81-02
Nordiphenhydramine Hydrochloride	53499-40-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0490.03-01
Nordothiepin Hydrochloride (Nordosulepin Hydrochloride)	24881-70-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0510.08-01
rac-Norephedrine-D3 Hydrochloride	345909-04-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0652.82-01
Norethandrolone	52-78-8	1.0 mg/ml in Acetonitrile	LGCAMP1199.00-11
Norfenfluramine Hydrochloride	673-18-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0608.01-01
Norfentanyl (N-Phenyl-N-(piperidin-4-yl)propanamide)	1609-66-1	1.0 mg/ml in Methanol	LGCAMP0528.08-01
Norfentanyl-D5 Oxalate (N-Pentadeuterophenyl-N-(piperidin-4-yl)propanamide Oxalate)	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0528.81-02
Norfluoxetine Oxalate	107674-50-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0256.18-01
Norketamine-D4 Hydrochloride	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0144.81-02
Norketamine Hydrochloride	79499-59-5	1.0 mg/ml in Methanol (as free base)	LGCAMP0144.06-01
Normianserin Hydrochloride	76134-77-5	1.0 mg/ml in Methanol (as free base)	LGCAMP0147.05-01

Solutions reference materials

Analyte	CAS number	Description	Product code
Normorphine	466-97-7	1.0 mg/ml in Methanol	LGCAMP0037.05-01
Noroxycodone-D3 Hydrochloride	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0672.82-02
Noroxycodone Hydrochloride	52446-25-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0672.03-01
Noroxymorphine Hydrochloride	52446-24-9	0.1 mg/ml in Methanol (as free base)	LGCAMP0673.03-02
Norpethidine (Normeperidine)	77-17-8	0.1 mg/ml in Methanol	LGCAMP0315.05-02
Norpethidine-D ₄ (Normeperidine-D ₄)	160227-47-4	0.1 mg/ml in Methanol	LGCAMP0315.81-02
(+)-Norpseudoephedrine Hydrochloride (Cathine Hydrochloride)	2153-98-2	0.1 mg/ml in Methanol (as free base)	LGCAMP2115.10-02
rac-Norsertraline Hydrochloride	91797-57-8	0.1 mg/ml in Methanol (as free base)	LGCAMP0317.02-02
Nortetrazepam	10379-11-0	0.1 mg/ml in Acetonitrile	LGCAMP0091.03-12
Nortriptyline-D3 Hydrochloride	203784-52-5	0.1 mg/ml in Methanol (as free base)	LGCAMP0079.80-02
Nortriptyline Hydrochloride	894-71-3	1.0 mg/ml in Methanol (as free base)	LGCAMP0079.00-01
Noscapine	128-62-1	1.0 mg/ml in Acetonitrile	LGCAMP1232.00-11
Olanzapine	132539-06-1	1.0 mg/ml in Acetonitrile	LGCAMP0329.00-11
Oripavine	467-04-9	0.1 mg/ml in Methanol	LGCAMP0037.13-02
Oxazepam	604-75-1	1.0 mg/ml in Methanol	LGCAMP0080.00-01
	604-75-1	0.1 mg/ml in Methanol	LGCAMP0080.00-02
Oxazepam-D5	65854-78-6	1.0 mg/ml in Methanol	LGCAMP0080.80-01
	65854-78-6	0.1 mg/ml in Methanol	LGCAMP0080.80-02

Analyte	CAS number	Description	Product code
Oxomemazine	3689-50-7	1.0 mg/ml in Methanol	LGCAMP0957.00-01
Oxprenolol Hydrochloride	6452-73-9	1.0 mg/ml in Methanol (as free base)	LGCAMP0129.00-01
Oxycodone	76-42-6	1.0 mg/ml in Methanol	LGCAMP0672.10-01
	76-42-6	0.1 mg/ml in Methanol	LGCAMP0672.10-02
Oxycodone-D3	160227-46-3	1.0 mg/ml in Methanol	LGCAMP0672.81-01
	160227-46-3	0.1 mg/ml in Methanol	LGCAMP0672.81-02
Oxycodone-D6	152477-91-3	1.0 mg/ml in Methanol	LGCAMP0672.80-01
	152477-91-3	0.1 mg/ml in Methanol	LGCAMP0672.80-02
Oxymorphone	76-41-5	1.0 mg/ml in Methanol	LGCAMP0673.01-01
	76-41-5	0.1 mg/ml in Methanol	LGCAMP0673.01-02
Oxymorphone-D3	145225-03-2	1.0 mg/ml in Methanol	LGCAMP0673.80-01
	145225-03-2	0.1 mg/ml in Methanol	LGCAMP0673.80-02
PMEA HCl (p-Methoxyethylamphetamine Hydrochloride)	93963-24-7	1.0 mg/ml in Methanol (as free base)	LGCAMP0319.03-01
Paracetamol (Acetaminophen)	103-90-2	1.0 mg/ml in Methanol	LGCAMP0042.00-01
Paracetamol-D4 (Acetaminophen-D4)	64315-36-2	1.0 mg/ml in Methanol	LGCAMP0042.80-01
	64315-36-2	0.1 mg/ml in Methanol	LGCAMP0042.80-02
Paroxetine Hydrochloride Hemihydrate	110429-35-1	1.0 mg/ml in Methanol (as anhydrous free base)	LGCAMP0264.00-01
rac-trans-Paroxetine-D6 Maleate	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP1350.81-02
Paroxol	105812-81-5	1.0 mg/ml in Methanol	LGCAMP1032.12-01

Solutions reference materials

Analyte	CAS number	Description	Product code
Pentobarbital	76-74-4	1.0 mg/ml in Methanol	LGCAMP1357.00-01
	76-74-4	0.1 mg/ml in Methanol	LGCAMP1357.00-02
Pentobarbital-D5	52944-66-8	1.0 mg/ml in Methanol	LGCAMP1357.80-01
	52944-66-8	0.1 mg/ml in Methanol	LGCAMP1357.80-02
Pentylone Hydrochloride	17763-01-8	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.57-01
Perazine Dimaleate	14516-56-4	1.0 mg/ml in Dimethyl Sulfoxide (as free base)	LGCAMP0815.00-29
Perazine Sulphoxide	20627-44-5	1.0 mg/ml in Methanol	LGCAMP0157.01-01
Perphenazine	58-39-9	1.0 mg/ml in Methanol	LGCAMP0826.00-01
Perphenazine Sulphoxide	10078-25-8	1.0 mg/ml in Methanol	LGCAMP0826.01-01
Pethidine (Meperidine)	57-42-1	1.0 mg/ml in Methanol	LGCAMP0315.11-01
	57-42-1	0.1 mg/ml in Methanol	LGCAMP0315.11-02
Pethidine Acid (Meperidine Acid; 1-Methyl-4-phenylpiperidine-4-carboxylic Acid)	3627-48-3	0.1 mg/ml in Methanol	LGCAMP0315.03-02
Pethidine Acid Methyl Ester (Meperidine Acid Methyl Ester; Methyl 1-Methyl-4-phenylpiperidine-4-carboxylate)	28030-27-5	0.1 mg/ml in Methanol	LGCAMP0315.04-02
Pethidine-D4 (Meperidine-D4)	53484-73-4	1.0 mg/ml in Methanol	LGCAMP0315.80-01
	53484-73-4	0.1 mg/ml in Methanol	LGCAMP0315.80-02
Phenacetin	62-44-2	1.0 mg/ml in Acetonitrile	LGCAMP0551.00-11
Phenazepam	51753-57-2	1.0 mg/ml in Methanol	LGCAMP0828.00-01
	51753-57-2	0.1 mg/ml in Methanol	LGCAMP0828.00-02
Phencyclidine (PCP)	77-10-1	1.0 mg/ml in Methanol	LGCAMP1358.01-01

Analyte	CAS number	Description	Product code
Phencyclidine-D5 (PCP-D5)	60124-86-9	1.0 mg/ml in Methanol	LGCAMP1358.80-01
	60124-86-9	0.1 mg/ml in Methanol	LGCAMP1358.80-02
Pheniramine	86-21-5	1.0 mg/ml in Methanol	LGCAMP0059.01-01
Phenobarbital	50-06-6	1.0 mg/ml in Methanol	LGCAMP0265.00-01
	50-06-6	0.1 mg/ml in Methanol	LGCAMP0265.00-02
Phenobarbital-D5 (D-label on ring)	72793-46-5	1.0 mg/ml in Methanol	LGCAMP0265.81-01
	72793-46-5	0.1 mg/ml in Methanol	LGCAMP0265.81-02
Phenobarbital-D5 (D-label on side chain)	73738-05-3	1.0 mg/ml in Methanol	LGCAMP0265.80-01
	73738-05-3	0.1 mg/ml in Methanol	LGCAMP0265.80-02
Phentermine	122-09-8	1.0 mg/ml in Methanol	LGCAMP0962.02-01
	122-09-8	0.1 mg/ml in Methanol	LGCAMP0962.02-02
2-Phenylethylamine Hydrochloride (Phenethylamine Hydrochloride; PEA HCl)	156-28-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.47-01
(1RS,2SR)-Phenylpropanolamine Hydrochloride (D,L-Norephedrine Hydrochloride)	154-41-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0656.00-01
Phenyltoloxamine Citrate	1176-08-5	1.0 mg/ml in Methanol (as free base)	LGCAMP0770.00-01
Phenytoin	57-41-0	1.0 mg/ml in Methanol	LGCAMP0630.00-01
Pholcodine-D3	n/a	1.0 mg/ml in Methanol	LGCAMP0733.80-01
	n/a	0.1 mg/ml in Methanol	LGCAMP0733.80-02

Solutions reference materials

Analyte	CAS number	Description	Product code
Pholcodine Monohydrate	6254-99-5	1.0 mg/ml in Methanol (anhydrous substance)	LGCAMP0733.00-01
	6254-99-5	0.1 mg/ml in Methanol (anhydrous substance)	LGCAMP0733.00-02
1-Piperonylpiperazine Dihydrochloride	38063-96-6	1.0 mg/ml in Methanol (as free base)	LGCAMP1280.08-01
Pipradrol Hydrochloride	71-78-3	1.0 mg/ml in Methanol (as free base)	LGCAMP1099.00-01
	71-78-3	0.01 mg/ml in Methanol (as free base)	LGCAMP1099.00-04
Piroxicam	36322-90-4	1.0 mg/ml in Methanol	LGCAMP0084.00-01
PMA HCl (p-Methoxyamphetamine Hydrochloride)	3706-26-1	1.0 mg/ml in Methanol (as free base)	LGCAMP0447.07-01
PMMA HCl (p-Methoxymethamphetamine Hydrochloride)	3398-68-3	1.0 mg/ml in Methanol (as free base)	LGCAMP1360.01-01
PPP HCl (alpha-Pyrrolidinopropiophenone Hydrochloride)	92040-10-3	1.0 mg/ml in Methanol (as free base)	LGCAMP1387.09-01
Prasterone (DHEA; Dehydroepiandrosterone)	53-43-0	1.0 mg/ml in Acetonitrile	LGCAMP0651.00-11
Prazepam	2955-38-6	1.0 mg/ml in Methanol	LGCAMP1258.00-01
	2955-38-6	0.1 mg/ml in Methanol	LGCAMP1258.00-02
Prazepam-D5	152477-89-9	0.1 mg/ml in Methanol	LGCAMP1258.80-02
Pregabalin	148553-50-8	1.0 mg/ml in Methanol	LGCAMP1376.00-01
Pregnenolone (3 β -Hydroxypregn-5-en-20-one)	145-13-1	0.1 mg/ml in Acetonitrile	LGCAMP0222.16-12
Procaine Hydrochloride	51-05-8	1.0 mg/ml in Acetonitrile (as free base)	LGCAMP0596.00-11

Analyte	CAS number	Description	Product code
Progesterone	57-83-0	1.0 mg/ml in Acetonitrile	LGCAMP0222.00-11
Promazine Hydrochloride	53-60-1	1.0 mg/ml in Methanol (as free base)	LGCAMP0290.00-01
Promazine Sulphoxide	146-21-4	1.0 mg/ml in Methanol	LGCAMP0290.01-01
Promethazine-D ₃ Hydrochloride	1435933-86-0	0.1 mg/ml in Dimethyl Sulfoxide (as free base)	LGCAMP0412.80-31
Promethazine Hydrochloride	58-33-3	1.0 mg/ml in Dimethyl Sulfoxide (as free base)	LGCAMP0412.00-29
Promethazine Sulphoxide	7640-51-9	1.0 mg/ml in Methanol	LGCAMP0412.04-01
Propelidine (1-Methylethyl 1-Methyl-4-phenyl-piperidine-4-carboxylate)	561-76-2	1.0 mg/ml in Methanol	LGCAMP0315.07-01
Propofol	2078-54-8	1.0 mg/ml in Methanol	LGCAMP0461.00-01
rac-Propoxyphene-D11	n/a	1.0 mg/ml in Acetonitrile	LGCAMP0098.81-11
	n/a	0.1 mg/ml in Acetonitrile	LGCAMP0098.81-12
rac-Propoxyphene-D5	136765-49-6	1.0 mg/ml in Acetonitrile	LGCAMP0098.80-11
	136765-49-6	0.1 mg/ml in Acetonitrile	LGCAMP0098.80-12
Propranolol Hydrochloride	318-98-9	1.0 mg/ml in Methanol (as free base)	LGCAMP0043.00-01
Propyphenazone	479-92-5	1.0 mg/ml in Acetonitrile	LGCAMP0036.00-11
Protriptyline Hydrochloride	1225-55-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0979.00-01
Protriptyline-D3 Hydrochloride	1435934-21-6	0.1 mg/ml in Methanol (as free base)	LGCAMP0979.81-02
(-)-Pseudoephedrine	321-97-1	1.0 mg/ml in Methanol	LGCAMP2115.11-01

Solutions reference materials

Analyte	CAS number	Description	Product code
Pseudoephedrine-D3 Hydrochloride	284665-25-4	0.1 mg/ml in Methanol (as free base)	LGCAMP2115.80-02
(+)-Pseudoephedrine Hydrochloride	345-78-8	1.0 mg/ml in Methanol (as free base)	LGCAMP2115.00-01
Pyrazolam	39243-02-2	1.0 mg/ml in Methanol	LGCAMP1441.00-01
Pyridoxine Hydrochloride	58-56-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0021.00-01
Quetiapine Fumarate	111974-72-2	1.0 mg/ml in Methanol (as free base)	LGCAMP1130.00-01
Ramelteon	196597-26-9	1.0 mg/ml in Acetonitrile	LGCAMP3666.00-11
Ranitidine Hydrochloride	66357-59-3	1.0 mg/ml in Methanol (as free base)	LGCAMP0086.00-01
RCS-4 (DD-001; (4-Methoxyphenyl) (1-pentylindol-3-yl)methanone)	1345966-78-0	1.0 mg/ml in Acetonitrile	LGCAMP1275.69-11
	1345966-78-0	0.1 mg/ml in Acetonitrile	LGCAMP1275.69-12
RCS-8 (1-(1-(2-Cyclohexylethyl)indol-3-yl)-2-(2-methoxyphenyl)ethanone)	1345970-42-4	1.0 mg/ml in Acetonitrile	LGCAMP1275.74-11
Reboxetine Mesilate	98769-84-7	1.0 mg/ml in Methanol (as free base)	LGCAMP1613.00-01
Risperidone	106266-06-2	1.0 mg/ml in Methanol	LGCAMP0491.00-01
Ritalinic Acid Hydrochloride	19395-40-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1031.11-01
Salbutamol Sulphate (Albuterol Sulphate)	51022-70-9	1.0 mg/ml in Methanol (as free base)	LGCAMP0381.00-01
Salicylic Acid	69-72-7	1.0 mg/ml in Acetonitrile	LGCAMP0045.00-11
Secobarbital	76-73-3	1.0 mg/ml in Methanol	LGCAMP1361.00-01
	76-73-3	0.1 mg/ml in Methanol	LGCAMP1361.00-02

Analyte	CAS number	Description	Product code
Selegiline Hydrochloride	14611-52-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0216.00-01
Sertraline Hydrochloride	79559-97-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0317.01-01
Sibutramine Hydrochloride Monohydrate	125494-59-9	1.0 mg/ml in Methanol (as anhydrous free base)	LGCAMP0991.00-01
Sildenafil	139755-83-2	1.0 mg/ml in Methanol	LGCAMP0254.09-01
Sildenafil N-Oxide	1094598-75-0	1.0 mg/ml in Methanol	LGCAMP0254.04-01
Sotalol Hydrochloride	959-24-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0046.00-01
Spironolactone	52-01-7	1.0 mg/ml in Acetonitrile	LGCAMP0197.00-11
Stanozolol	10418-03-8	1.0 mg/ml in Acetonitrile	LGCAMP1285.00-11
Sufentanil Citrate	60561-17-3	0.1 mg/ml in Methanol (as free base)	LGCAMP1362.00-02
Sulpiride	15676-16-1	1.0 mg/ml in Methanol	LGCAMP0051.00-01
	n/a	1.0 mg/ml in Acetonitrile	LGCAMP1396.17-11
THJ-2201 (1-[(5-Fluoropentyl)-1H-indazol-3-yl] (naphthalen-1-yl)methanone)	n/a	0.1 mg/ml in Acetonitrile	LGCAMP1396.17-12
	109581-93-3	1.0 mg/ml in Acetonitrile (as anhydrous substance)	LGCAMP1512.00-11
Tacrolimus Monohydrate	109581-93-3	1.0 mg/ml in Acetonitrile (as anhydrous substance)	LGCAMP1512.00-11
Tadalafil	171596-29-5	1.0 mg/ml in Acetonitrile	LGCAMP0806.00-11
Temazepam	846-50-4	1.0 mg/ml in Methanol	LGCAMP0087.00-01
Testosterone	58-22-0	1.0 mg/ml in Acetonitrile	LGCAMP0323.00-11
Testosterone Benzoate	2088-71-3	1.0 mg/ml in Acetonitrile	LGCAMP0493.00-11

Solutions reference materials

Analyte	CAS number	Description	Product code
Testosterone Isocaproate	15262-86-9	1.0 mg/ml in Acetonitrile	LGCAMP0863.00-11
Testosterone Propionate	57-85-2	1.0 mg/ml in Acetonitrile	LGCAMP0897.00-11
Tetracaine Hydrochloride	136-47-0	1.0 mg/ml in Acetonitrile (as free base)	LGCAMP0504.00-11
Tetrazepam	10379-14-3	0.1 mg/ml in Methanol	LGCAMP0091.00-02
TFMPP HCl (1-(3-Trifluoromethylphenyl) piperazine Hydrochloride)	16015-69-3	1.0 mg/ml in Methanol (as free base)	LGCAMP1280.03-01
Thebaine	115-37-7	0.1 mg/ml in Methanol	LGCAMP0244.00-02
Theobromine	83-67-0	0.1 mg/ml in Methanol	LGCAMP0577.00-02
Theophylline	58-55-9	1.0 mg/ml in Methanol	LGCAMP0176.00-01
Thiamine Hydrochloride	67-03-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0049.00-01
1-(Thiophen-2-yl)-2-methylaminopropane Hydrochloride (Methiopropamine Hydrochloride; MPA HCl)	7464-94-0	1.0 mg/ml in Methanol (as free base)	LGCAMP1275.59-01
Thioridazine Hydrochloride	130-61-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0116.00-01
Thiosildenafil	479073-79-5	1.0 mg/ml in Methanol	LGCAMP0254.39-01
THJ-018 ((Naphthalen-1-yl)(1-pentyl-1H-indazol-3-yl)methanone; JWH-018 Indazole Analog)	1364933-55-0	1.0 mg/ml in Acetonitrile	LGCAMP1396.16-11
Tiagabine Hydrochloride	145821-59-6	1.0 mg/ml in Methanol (as free base)	LGCAMP1029.00-01
Tilidine	51931-66-9	0.1 mg/ml in Acetonitrile	LGCAMP0134.05-12
Tilidine Hydrochloride Hemihydrate	255733-17-6	1.0 mg/ml in Methanol (as anhydrous free base)	LGCAMP0134.00-01
Timolol Maleate	26921-17-5	1.0 mg/ml in Methanol (as free base)	LGCAMP0440.00-01

Analyte	CAS number	Description	Product code
Tolazoline Hydrochloride	59-97-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0585.00-01
Tolbutamide	64-77-7	1.0 mg/ml in Acetonitrile	LGCAMP1089.00-11
Topiramate	97240-79-4	1.0 mg/ml in Acetonitrile	LGCAMP1348.00-11
Tramadol-13C-D3 Hydrochloride	n/a	0.1 mg/ml in Methanol (as free base)	LGCAMP0007.90-02
Tramadol Hydrochloride	36282-47-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0007.00-01
Trazodone Hydrochloride	25332-39-2	1.0 mg/ml in Methanol (as free base)	LGCAMP0421.00-01
Trenbolone	10161-33-8	1.0 mg/ml in Acetonitrile	LGCAMP1377.00-11
Triamterene	396-01-0	1.0 mg/ml in Dimethyl Sulfoxide	LGCAMP0269.00-29
Triazolam	28911-01-5	1.0 mg/ml in Methanol	LGCAMP1363.00-01
	28911-01-5	0.1 mg/ml in Methanol	LGCAMP1363.00-02
Triazolam-D4	145225-04-3	0.1 mg/ml in Methanol	LGCAMP1363.80-02
Trifluoperazine Hydrochloride	440-17-5	1.0 mg/ml in Methanol (as free base)	LGCAMP0441.00-01
Triflupromazine Hydrochloride	1098-60-8	1.0 mg/ml in Methanol (as free base)	LGCAMP1675.00-01
Trihexyphenidyl Hydrochloride	52-49-3	1.0 mg/ml in Methanol (as free base)	LGCAMP0237.00-01
Trimeprazine Tartrate	4330-99-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0958.00-01
Trimetazidine Dihydrochloride	13171-25-0	1.0 mg/ml in Methanol (as free base)	LGCAMP0539.00-01
Trimethadione	127-48-0	1.0 mg/ml in Methanol	LGCAMP1669.00-01

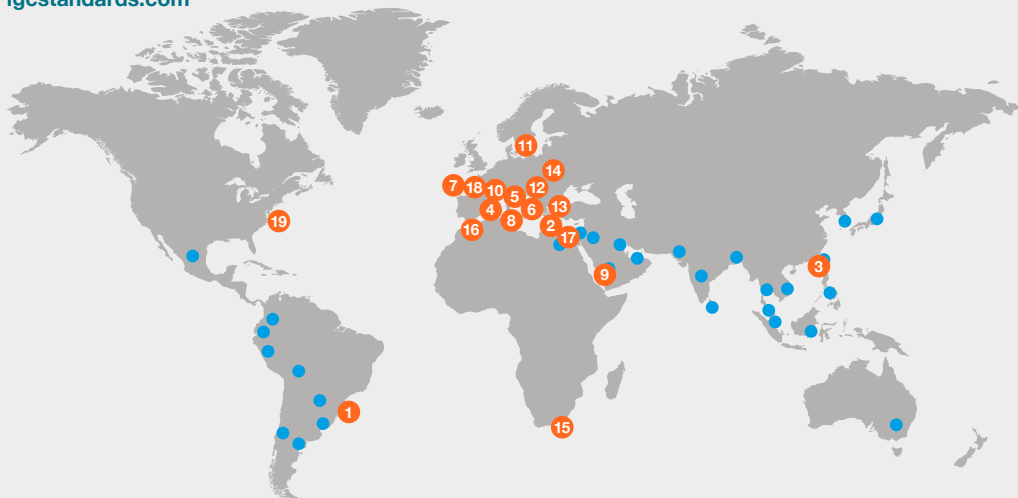
Solutions reference materials

Analyte	CAS number	Description	Product code
Trimipramine	739-71-9	1.0 mg/ml in Methanol	LGCAMP0240.01-01
Trimipramine-D3 Maleate	1185245-93-5	0.1 mg/ml in Methanol (as free base)	LGCAMP0240.80-02
Trimipramine Maleate	521-78-8	1.0 mg/ml in Methanol (as free base)	LGCAMP0240.00-01
UR-144 ((1-Pentylindol-3-yl)(2,2,3,3-tetramethyl-cyclopropyl)methanone; KM X-1)	1199943-44-6	1.0 mg/ml in Acetonitrile	LGCAMP1396.10-11
	1199943-44-6	0.1 mg/ml in Acetonitrile	LGCAMP1396.10-12
Valproic Acid	99-66-1	1.0 mg/ml in Methanol	LGCAMP0751.00-01
Vardenafil Dihydrochloride	224789-15-5	1.0 mg/ml in Methanol (as free base)	LGCAMP1619.00-01
Varenicline Tartrate	375815-87-5	1.0 mg/ml in Methanol (as free base)	LGCAMP3380.00-01
Venlafaxine Hydrochloride	99300-78-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0393.00-01
Venlafaxine-D6 Hydrochloride	1062606-12-5	0.1 mg/ml in Methanol (as free base)	LGCAMP0393.80-02
Verapamil Hydrochloride	152-11-4	1.0 mg/ml in Methanol (as free base)	LGCAMP0022.00-01
Vilazodone Hydrochloride	163521-08-2	1.0 mg/ml in Methanol (as free base)	LGCAMP3679.00-01
Vinpocetine	42971-09-5	1.0 mg/ml in Acetonitrile	LGCAMP0406.00-11
Voriconazole	137234-62-9	2.0 mg/ml in Methanol	LGCAMP1094.00-07
Warfarin	81-81-2	1.0 mg/ml in Acetonitrile	LGCAMP0638.00-11
Zaleplon	151319-34-5	1.0 mg/ml in Methanol	LGCAMP1322.00-01
Ziprasidone Hydrochloride Monohydrate	138982-67-9	1.0 mg/ml in Methanol (as anhydrous free base)	LGCAMP1273.00-01

Analyte	CAS number	Description	Product code
Zolpidem-D6	959605-90-4	0.1 mg/ml in Methanol	LGCAMP0333.80-02
Zolpidem Tartrate	99294-93-6	1.0 mg/ml in Methanol (as free base)	LGCAMP0333.11-01
Zonisamide	68291-97-4	1.0 mg/ml in Methanol	LGCAMP1379.00-01
Zopiclone	43200-80-2	1.0 mg/ml in Acetonitrile	LGCAMP0149.00-11
Zopiclone-D4	n/a	0.1 mg/ml in Acetonitrile	LGCAMP0149.80-12
Zopiclone Oxide	43200-96-0	1.0 mg/ml in Methanol	LGCAMP0149.01-01
	43200-96-0	1.0 mg/ml in Dimethyl Sulfoxide	LGCAMP0149.01-29

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