



# Forensic Drug

## Catalogue

**February 2024**

*Quality reference materials for identification and calibration are essential to making accurate chemical measurements in forensic testing.*

| **Category** | **Description** | **NMI reference** | **Unit of issue (mg)** | Domestic Cost (A$) (excl GST) | InternationalCost (A$) |
| --- | --- | --- | --- | --- | --- |
| Amphetamines and related compounds  | 6-(2-Aminopropyl)benzofuran hydrochloride  | D990 | 5 | 155 | 218 |
| Amphetamines and related compounds  | (±)-5-(2-Aminopropyl)-2,3-dihydro-1H-indene hydrochloride | D1060 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-Amphetamine hydrochloride  | D736c | 50 | 155 | 218 |
| Amphetamines and related compounds  | (±)-Amphetamine sulfate | D420d  | 50 | 121 | 169 |
| Amphetamines and related compounds  | d-(+)-Amphetamine sulfate  | D961 | 50 | 155 | 218 |
| Amphetamines and related compounds  | (±)-2-Bromoamphetamine hydrochloride  | D1046 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-3-Bromoamphetamine hydrochloride  | D1045 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-4-Bromoamphetamine hydrochloride  | D1032 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-2-Bromomethamphetamine hydrochloride  | D1037 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-3-Bromomethamphetamine hydrochloride  | D1036 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-4-Bromomethamphetamine hydrochloride  | D1028 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-4-Bromo-2,5-dimethoxyamphetamine hydrochloride (DOB) | D396b | 20 | 188 | 264 |
| Amphetamines and related compounds  | (±)-Bromodragonfly hydrochloride  | D1051 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-2-Chloroamphetamine hydrochloride  | D1042 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-3-Chloroamphetamine hydrochloride  | D1033 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-4-Chloroamphetamine hydrochloride  | D1043 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-2-Chloromethamphetamine hydrochloride  | D1029 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-3-Chloromethamphetamine hydrochloride  | D1030 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-4-Chloromethamphetamine hydrochloride  | D1031 | 10 | 121 | 169 |
| Amphetamines and related compounds  | Clobenzorex hydrochloride | D692b | 20 | 228 | 319 |
| Amphetamines and related compounds  | (±)-2,5-Dimethoxyamphetamine hydrochloride | D749b | 50 | 228 | 319 |
| Amphetamines and related compounds  | (±)-2,5-Dimethoxy-4-chloroamphetamine hydrochloride | D1063 | 20 | 121 | 169 |
| Amphetamines and related compounds  | (±)-2,5-Dimethoxy-4-methylamphetamine hydrochloride (DOM) | D470b | 10 | 155 | 218 |
| Amphetamines and related compounds  | (±)-2,5-Dimethoxy-4-methylthioamphetamine hydrochloride  | D1015 | 20 | 121 | 169 |
| Amphetamines and related compounds  | (±)-3,4-Dimethoxyamphetamine hydrochloride | D453 | 50 | 228 | 319 |
| Amphetamines and related compounds  | (±)-3,4-Dimethoxyamphetamine hydrochloride | D453b | 20 | 121 | 169 |
| Amphetamines and related compounds  | (±)-*N*,*N*-Dimethylamphetamine hydrochloride  | D693d | 20 | 121 | 169 |
| Amphetamines and related compounds  | (±)-*N*,*N*-Dimethyl-3,4-methylenedioxyamphetamine hydrochloride | D503 | 20 | 188 | 264 |
| Amphetamines and related compounds  | (±)-DragonFLY hydrochloride  | D1058 | 10 | 155 | 218 |
| Amphetamines and related compounds  | (±)-*N*-Ethylamphetamine hydrochloride | D753c | 50 | 121 | 169 |
| Amphetamines and related compounds  | (±)-*N*-Ethyl-3,4-methylenedioxyamphetamine hydrochloride (MDEA) | D739c | 50 | 188 | 264 |
| Amphetamines and related compounds  | Fenethylline hydrochloride | D543b | 20 | 155 | 218 |
| Amphetamines and related compounds  | Fenproporex hydrochloride | D500 | 25 | 121 | 169 |
| Amphetamines and related compounds  | Fenproporex hydrochloride | D500b | 25 | 121 | 169 |
| Amphetamines and related compounds  | (±)-2-Fluoroamphetamine hydrochloride  | D946 | 10 | 188 | 264 |
| Amphetamines and related compounds  | (±)-3-Fluoroamphetamine hydrochloride  | D979 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-4-Fluoroamphetamine hydrochloride  | D943b | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-2-Fluoromethamphetamine hydrochloride  | D933 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-3-Fluoromethamphetamine hydrochloride  | D994 | 20 | 121 | 169 |
| Amphetamines and related compounds  | (±)-4-Fluoromethamphetamine hydrochloride  | D934 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-FLY hydrochloride  | D1059 | 10 | 155 | 218 |
| Amphetamines and related compounds  | (±)-4-Hydroxyamphetamine hydrochloride (HMA) | D824b | 20 | 228 | 319 |
| Amphetamines and related compounds  | (±)-4-Hydroxyamphetamine hydrochloride (HMA) | D824c | 20 | 121 | 169 |
| Amphetamines and related compounds  | Mescaline hydrogen sulfate  | D768b | 10 | 188 | 264 |
| Amphetamines and related compounds  | (±)-2-Methoxyamphetamine hydrochloride  | D1064 | 20 | 121 | 169 |
| Amphetamines and related compounds  | (±)-4-Methoxyamphetamine hydrochloride (PMA)  | D756b | 50 | 155 | 218 |
| Amphetamines and related compounds  | (±)-4-Methoxymethamphetamine hydrochloride (PMMA) | D908b | 10 | 188 | 264 |
| Amphetamines and related compounds  | (±)-4-Methylamphetamine hydrochloride | D895b | 10 | 188 | 264 |
| Amphetamines and related compounds  | (±)-4-Methylmethamphetamine hydrochloride  | D963 | 20 | 188 | 264 |
| Amphetamines and related compounds  | (±)-Methamphetamine hydrochloride | D816g | 50 | 155 | 218 |
| Amphetamines and related compounds  | S-(+)-Methamphetamine hydrochloride | D830b | 50 | 121 | 169 |
| Amphetamines and related compounds  | (±)-3,4-Methylenedioxyamphetamine hydrochloride (MDA) | D842c | 50 | 121 | 169 |
| Amphetamines and related compounds  | (±)-*N*-Methyl-3,4-methylenedioxyamphetamine hydrochloride (MDMA) | D792f | 50 | 155 | 218 |
| Amphetamines and related compounds  | (±)-*N*-Methyl-1-(3,4-methylenedioxyphenyl)-2-butylamine hydrochloride (MBDB) | D450b | 20 | 188 | 264 |
| Amphetamines and related compounds  | (±)-4-Methylthioamphetamine hydrochloride (MTA) | D687b | 20 | 188 | 264 |
| Amphetamines and related compounds  | (±)-4-Methylthiomethamphetamine hydrochloride  | D1057 | 10 | 121 | 169 |
| Amphetamines and related compounds  | (±)-*N*-*tert*-Butyloxycarbonyl-methamphetamine  | D1068 | 50 | 121 | 169 |
| Amphetamines and related compounds  | (±)-*N*-*tert*-Butyloxycarbonyl-3,4-methylenedioxymethamphetamine  | D1069 | 50 | 121 | 169 |
| Amphetamines and related compounds  | Ortetamine hydrochloride (1-(2-methylphenyl)-2-propylamine hydrochloride  | D912b | 10 | 228 | 319 |
| Amphetamines and related compounds  | (±)-*N*-Propyl-3,4-methylenedioxyamphetamine hydrochloride | D495 | 20 | 188 | 264 |
| Amphetamines and related compounds  | Selegiline hydrochloride | D822 | 50 | 155 | 218 |
| Amphetamines and related compounds  | (±)-3,4,5-Trimethoxyamphetamine hydrochloride (TMA) | D778 | 20 | 188 | 264 |
| Amphetamines and related compounds  | *N*-*p*-Tosyl methamphetamine  | D1071 | 50 | 121 | 169 |
| Amphetamine precursors, intermediates and profiling impurities  | *N*-Acetylamphetamine | D445b | 50 | 155 | 218 |
| Amphetamine precursors, intermediates and profiling impurities  | (±)-*N*-Acetyl-3,4-methylenedioxyamphetamine | D738b | 20 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | α-Acetylphenylacetonitrile | D965 | 20 | 121 | 169 |
| Amphetamine precursors, intermediates and profiling impurities  | Benzyl methyl ketone (P2P) | D868b | 10 | 65 | 72 |
| Amphetamine precursors, intermediates and profiling impurities  | 1-Benzyl-3-methylnaphthalene | D456 | 50 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | *N*-(α-Benzylphenethyl)-formamide | D970 | 10 | 121 | 169 |
| Amphetamine precursors, intermediates and profiling impurities  | α-Benzylphenethylamine hydrochloride | D971 | 10 | 121 | 169 |
| Amphetamine precursors, intermediates and profiling impurities  | Bromosaffrole  | D455 | 50 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | 1,2-Dimethoxy-4-(2-propenyl)-benzene  | D885 | 25 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | *N*-Formylamphetamine | D447c | 50 | 155 | 218 |
| Amphetamine precursors, intermediates and profiling impurities  | *N*-Formyl-di-(1-isopropylphenyl)amine (*N*-Formyl DPIA)  | D465 | 20 | 155 | 218 |
| Amphetamine precursors, intermediates and profiling impurities  | *N*-Formylmethamphetamine  | D502b | 20 | 121 | 169 |
| Amphetamine precursors, intermediates and profiling impurities  | (±)-*N*-Formyl-3,4-methylenedioxyamphetamine  | D498 | 50 | 155 | 218 |
| Amphetamine precursors, intermediates and profiling impurities  | *N*-Formyl-*N*-methyl-3,4-methylenedioxyamphetamine | D538 | 50 | 155 | 218 |
| Amphetamine precursors, intermediates and profiling impurities  | *N*-Formyl-1-phenylethylamine | D526 | 50 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | *N*-Methyl-α-benzylphenethylamine hydrochloride  | D972 | 10 | 121 | 169 |
| Amphetamine precursors, intermediates and profiling impurities  | *N*-Methyl-3, 4-methylenedioxybenzylamine hydrochloride  | D883 | 20 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | Methyl α-phenylacetoacetate (MAPA) | D1080 | 50 | 121 | 169 |
| Amphetamine precursors, intermediates and profiling impurities  | 3,4-Methylenedioxybenzyl methyl ketoxime  | D890 | 10 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | 1-(3,4-Methylenedioxyphenyl)-2-nitropropene  | D669 | 20 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | (R,S)-1-(3,4-Methylenedioxyphenyl)-propan-2-ol  | D880 | Exhausted |  |  |
| Amphetamine precursors, intermediates and profiling impurities  | 3,4-Methylenedioxyphenylacetone (MDP2P)  | D810b | 500 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | 3,4-Methylenedioxytoluene  | D887b | 50 | 121 | 169 |
| Amphetamine precursors, intermediates and profiling impurities  | *N,N*-Di[1-(3,4-methylenedioxyphenyl)-2-propyl]amine hydrochloride | D879 | 20 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | *bis*-(1-(3,4-Methylenedioxyphenyl)-propan-2-yl)amine hydrochloride (1 diastereoisomer) | D896 | 20 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities | (2S\*, 3R\*)-2-Methyl-3-[3,4-(methylenedioxy)phenyl]-glycidic acid methyl ester | D903 | 50 | 188 | 264 |
| Amphetamine precursors, intermediates and profiling impurities  | Phenylacetic acid | D917 | 50 | 121 | 169 |
| Amphetamine precursors, intermediates and profiling impurities  | 1-Phenyl-2-nitropropene | D869 | 100 | 155 | 218 |
| Amphetamine precursors, intermediates and profiling impurities  | (±)-Phenyl-propan-2-ol  | D945 | 20 | 121 | 169 |
| Amphetamine precursors, intermediates and profiling impurities  | Piperonal | D870 | 100 | 155 | 218 |
| Amphetamine precursors, intermediates and profiling impurities  | Piperonyl alcohol  | D881 | 50 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-phenylethylamine hydrochloride  | D993 | 20 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-bromo-phenethylamine hydrochloride (Nexus) | D758b | 20 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-chloro-phenethylamine hydrochloride (2C-C)  | D1007 | 10 | 155 | 218 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-3,4-dimethylphenylethylamine hydrochloride (2C-G) | D1017 | 20 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-ethyl-phenylethylamine hydrochloride (2C-E) | D1003 | 20 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-ethylthio-phenylethylamine hydrochloride (2C-T-2) | D1040 | 10 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-iodo-phenylethylamine hydrochloride (2C-I)  | D922 | 10 | 155 | 218 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-iodo-phenylethylamine hydrochloride (2C-I)  | D922b | 10 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-isopropoxyphenylethylamine hydrochloride | D1041 | 10 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-methyl-phenylethylamine hydrochloride (2C-D)  | D1009 | 20 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-methylthio-phenylethylamine hydrochloride | D1019 | 10 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-propylthio-phenylethylamine hydrochloride | D919 | 5 | 188 | 264 |
| Phenethylamines and related compounds | 2-(1,4-Dimethoxy-5,6,7,8-tetrahydronaphthalen-2-yl)ethanamine hydrochloride (2C-G-4) | D1052 | 10 | 121 | 169 |
| Phenethylamines and related compounds | 2-(1,4-Dimethoxynaphthalen-2-yl)ethanamine hydrochloride (2C-G-N) | D1053 | 10 | 121 | 169 |
| Phenethylamines and related compounds | 2,5-Dimethoxy-4-(trifluoromethyl)phenylethylamine hydrochloride 2C-TFM | D1039 | 10 | 121 | 169 |
| Phenethylamines and related compounds | 25B-NBOMe (2-(4-bromo-2,5-dimethoxyphenyl)-*N*-[(2-methoxyphenyl)methyl]ethanamine hydrochloride | D995 | 20 | 121 | 169 |
| Phenethylamines and related compounds | 25C-NBOMe (2-(4-chloro-2,5-dimethoxyphenyl)-*N*-[(2-methoxyphenyl)methyl]ethanamine hydrochloride | D1008 | 10 | 155 | 218 |
| Phenethylamines and related compounds | 25D-NBOMe (2-(4-methyl-2,5-dimethoxyphenyl)-*N*-[(2-methoxyphenyl)methyl]ethanamine hydrochloride | D1010 | 10 | 155 | 218 |
| Phenethylamines and related compounds | 25E-NBOMe (2-(4-ethyl-2,5-dimethoxyphenyl)-*N*-[(2-methoxyphenyl)methyl]ethanamine hydrochloride | D1002 | 20 | 121 | 169 |
| Phenethylamines and related compounds | 2-(3,4-Dimethyl-2,5-dimethoxyphenyl)-*N*-[(2-methoxyphenyl)methyl]ethanamine hydrochloride | D1018 | 10 | 121 | 169 |
| Phenethylamines and related compounds | 25H-NBOMe (2-(2,5-dimethoxyphenyl)-*N*-[(2-methoxyphenyl)methyl]ethanamine hydrochloride | D998 | 20 | 121 | 169 |
| Phenethylamines and related compounds | 25I-NBOMe (2-(4-iodo-2,5-dimethoxyphenyl)-*N*-[(2-methoxyphenyl)methyl]ethanamine hydrochloride | D1001 | 20 | 155 | 218 |
| Phenethylamines and related compounds | 2-(4-Methylthio-2,5-dimethoxyphenyl)-*N*-[(2-methoxyphenyl)methyl]ethanamine hydrochloride | D1016 | 10 | 121 | 169 |
| Phenethylamines and related compounds | *N*-Methyl-1-phenylethylamine hydrochloride | D525 | 50 | 188 | 264 |
| Phenethylamines and related compounds | 2,4,5-Trimethoxyphenethylamine hydrochloride | D1048 | 10 | 121 | 169 |
| 1-Phenyl-2-aminobutanes and related compounds | *N*-Ethyl-1-phenyl-2-butylamine hydrochloride | D997 | 20 | 121 | 169 |
| Cocaine, metabolites and related compounds  | Benzoylecgonine tetrahydrate | D745c | 50 | 155 | 218 |
| Cocaine, metabolites and related compounds  | *trans*-Cinnamoylcocaine | D755 | 20 | 188 | 264 |
| Cocaine, metabolites and related compounds  | Cocaine base  | D826d | 50 | 155 | 218 |
| Cocaine, metabolites and related compounds  | Cocaine hydrochloride  | D747c | 20 | 155 | 218 |
| Cocaine, metabolites and related compounds  | Ecgonine hydrochloride | D746b | 50 | 155 | 218 |
| Cocaine, metabolites and related compounds  | Anhydroecgonine methyl ester | D847 | Exhausted |  |  |
| Cocaine, metabolites and related compounds  | Methyl ecgonine hydrochloride, monohydrate | D452c | 10 | 188 | 264 |
| Cocaine manufacture profiling and surrogates  | Dimethyl μ-truxinate  | D953 | 5 | 121 | 169 |
| Cocaine manufacture profiling and surrogates  | p-Fluorococaine hydrochloride | D854b | 20 | 121 | 169 |
| Cocaine manufacture profiling and surrogates  | *p*-Fluorotropacocaine hydrochloride | D949b | 10 | 121 | 169 |
| Cocaine manufacture profiling and surrogates  | *N*-Formylnorcocaine  | D857b | 10 | 155 | 218 |
| Cocaine manufacture profiling and surrogates  | Isopropylcocaine | D936 | 50 | 155 | 218 |
| Cocaine manufacture profiling and surrogates  | Norcocaine hydrochloride  | D856b | 10 | 121 | 169 |
| Cocaine manufacture profiling and surrogates  | 3,4,5-Trimethoxycocaine hydrochloride | D855b | 10 | 155 | 218 |
| Cocaine manufacture profiling and surrogates  | 3,4,5-Trimethoxytropacocaine hydrochloride (exhausted) | D858b | 10 | 188 | 264 |
| Cocaine manufacture profiling and surrogates  | Tropacocaine hydrochloride | D846b | 20 | 188 | 264 |
| Cathinones (α-Aminopropiophenones)  | (±)-3-Bromomethcathinone hydrochloride | D1035 | 10 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | (±)-Cathinone hydrochloride | D929b | 20 | 188 | 264 |
| Cathinones (α-Aminopropiophenones)  | (±)-*N*,*N*-Diethylcathinone hydrochloride | D957 | 20 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | 3,4-Dimethoxymethcathinine hydrochloride | D1062 | 10 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | (±)-*N*,*N*-Dimethylcathinone hydrochloride | D958 | 20 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | (±)-3,4-Dimethylmethcathinone hydrochloride | D962 | 10 | 228 | 319 |
| Cathinones (α-Aminopropiophenones)  | (±)-*N*-Ethylcathinone hydrochloride | D938b | 20 | 188 | 264 |
| Cathinones (α-Aminopropiophenones)  | (±)-*N*-Ethyl-3,4-methylenedioxycathinone hydrochloride | D959 | 20 | 188 | 264 |
| Cathinones (α-Aminopropiophenones)  | (±)-3-Fluoromethcathinone hydrochloride | D947b | 20 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | (±)-4-Fluoromethcathinone hydrochloride | D969b | 10 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | (±)-Methcathinone hydrochloride | D724b | 20 | 188 | 264 |
| Cathinones (α-Aminopropiophenones)  | (±)-4-Methoxycathinone hydrochloride | D1025 | 10 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | (±)-4-Methoxy--pyrrolidinopropiophenone (MOPPP) hydrochloride | D1024 | 10 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | 4-Methoxymethcathinone hydrochloride | D952 | 20 | 188 | 264 |
| Cathinones (α-Aminopropiophenones)  | 3,4-Methylenedioxy-*N,N*-dimethylcathinone hydrochloride | D977 | 20 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | 3,4-Methylenedioxymethcathinone hydrochloride  | D942 | 20 | 188 | 264 |
| Cathinones (α-Aminopropiophenones)  | 3,4-Methylenedioxy-α-pyrrolidinopropiophenone hydrochloride | D960 | 20 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | (±)-4-Methyl-*N*-benzylcathinone hydrochloride | D1026 | 10 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | 4-Methylethylcathinone hydrochloride (MEC) | D968 | 20 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | 4-Methylmethcathinone hydrochloride | D937b | 10 | 188 | 264 |
| Cathinones (α-Aminopropiophenones)  | (±)-4-Methyl-α-pyrrolidinopropiophenone hydrochloride (MPPP) | D964 | 20 | 121 | 169 |
| Cathinones (α-Aminopropiophenones)  | α-Pyrrolidinopropiophenone hydrochloride (PPP) | D956 | 20 | 188 | 264 |
| Butyrophenones (α-Alkylamino) and related substances  | Butylone hydrochloride1-(3,4-Methylenedioxyphenyl)-2-(methylamino)butan-1-one  | D948 | 20 | 188 | 264 |
| Butyrophenones (α-Alkylamino) and related substances  | α-Dimethylaminobutyrophenone hydrochloride  | D1011 | 20 | 155 | 218 |
| Butyrophenones (α-Alkylamino) and related substances  | α-Ethylaminobutyrophenone hydrochloride*N*-Ethylbuphedrone hydrochloride | D1013 | 20 | 155 | 218 |
| Butyrophenones (-Alkylamino) and related substances  | *N*-Methylbutylone hydrochloride1-(3,4-Methylenedioxyphenyl)-2-(dimethylamino)butan-1-one | D1027 | 10 | 121 | 169 |
| Butyrophenones (α-Alkylamino) and related substances  | 3,4-Methylenedioxy-α-pyrrolidinobutyrophenone hydrochloride | D973 | 5 | 121 | 169 |
| Butyrophenones (α-Alkylamino) and related substances | 4’-Methyl-α-pyrrolidinobutyrophenone hydrochloride (MPBP) | D974 | 5 | 121 | 169 |
| Butyrophenones (α-Alkylamino) and related substances  | α-Pyrrolidinobutyrophenone hydrochloride  | D1012 | 20 | 155 | 218 |
| Pentiophenones (α-Alkylamino) and related substances  | α-Dimethylaminopentiophenone hydrochloride  | D1006 | 20 | 121 | 169 |
| Pentiophenones (α-Alkylamino) and related substances  | α -Ethylaminopentiophenone hydrochloride  | D1005 | 10 | 121 | 169 |
| Pentiophenones (α-Alkylamino) and related substances  | α -Methylaminopentiophenone hydrochloride (in progress)  | D1004 |  |  |  |
| Pentiophenones (α-Alkylamino) and related substances  | 3,4-Methylenedioxypyrovalerone hydrochloride (MDPV)  | D951b | 20 | 121 | 169 |
| Pentiophenones (α-Alkylamino) and related substances  | α -Naphyrone hydrochloride  | D981 | 10 | 121 | 169 |
| Pentiophenones (α-Alkylamino) and related substances  | Naphyrone hydrochloride  | D975 | 5 | 121 | 169 |
| Pentiophenones (α-Alkylamino) and related substances  | Pentylone hydrochloride 1-(3,4-Methylenedioxyphenyl)-2-(methylamino)pentan-1-one  | D992 | 20 | 121 | 169 |
| Pentiophenones (α-Alkylamino) and related substances  | α -Pyrrolidinopentiophenone hydrochloride  | D986b | 5 | 121 | 169 |
| Pentiophenones (α-Alkylamino) and related substances  | Pyrovalerone(*±*)-1-(4-methylphenyl)-2-(1-pyrrolidinyl)pentan-1-one | D985 | 20 | 121 | 169 |
| Ephedrine and related compounds  | (+)-Ephedrine hemihydrate | D1090 | 50 | 155 | 218 |
| Ephedrine and related compounds  | (+)-Ephedrine hydrochloride | D1089 | 50 | 155 | 218 |
| Ephedrine and related compounds  | (-)-Ephedrine hydrochloride | M924b | 50 | 155 | 218 |
| Ephedrine and related compounds  | dl-Norephedrine hydrochloride (Phenylpropanolamine) | M296 | 100 | 121 | 169 |
| Ephedrine and related compounds  | Cathine HCl ((+)-Norpseudoephedrine hydrochloride) | M297 | 50 | 121 | 169 |
| Ephedrine and related compounds  | p-Hydroxyephedrine hydrochloride (Oxilifrine hydrochloride) | D892b | 5 | 121 | 169 |
| Ephedrine and related compounds  | (-)-Methylephedrine hydrochloride | M243b | 20 | 121 | 169 |
| Ephedrine and related compounds  | (-)-Pseudoephedrine base | D397 | 100 | 155 | 218 |
| Ephedrine and related compounds  | (+)-Pseudoephedrine hydrochloride | D775b | 50 | 121 | 169 |
| Heroin and related compounds  | Acetylcodeine base | D821c | 50 | 188 | 264 |
| Heroin and related compounds  | Buprenorphine base | D932 | 10 | 121 | 169 |
| Heroin and related compounds  | Codeine base | D671b | 50 | 155 | 218 |
| Heroin and related compounds  | d3-Codeine base | D673 | 1 | 155 | 218 |
| Heroin and related compounds  | Codeine glucuronide  | D694 | 0.1 (ampoule) | 155 | 218 |
| Heroin and related compounds  | d3-Codeine glucuronide  | D695 | 0.1 (ampoule) | 228 | 319 |
| Heroin and related compounds  | Dihydrocodeine hydrogen tartrate | D823 | 50 | 155 | 218 |
| Heroin and related compounds  | Heroin base  | D752d | 50 | 121 | 169 |
| Heroin and related compounds  | Hydrocodone | D988 | 20 | 121 | 169 |
| Heroin and related compounds  | Hydromorphone hydrochloride | D785b | 20 | 121 | 169 |
| Heroin and related compounds  | Methyl codeine | D924 | 10 | 121 | 169 |
| Heroin and related compounds  | 3-Monoacetylmorphine sulfamate  | D766c | 20 | 155 | 218 |
| Heroin and related compounds  | 6-Monoacetylmorphine base  | D777c | 20 | 121 | 169 |
| Heroin and related compounds  | Morphine base monohydrate  | D408e | 50 | 155 | 218 |
| Heroin and related compounds  | d3-Morphine base monohydrate | D709 | 1 | 155 | 218 |
| Heroin and related compounds  | Morphine sulfate | D925 | 50 | 155 | 218 |
| Heroin and related compounds  | Noscapine (Narcotine) base | D831b | 50 | 155 | 218 |
| Heroin and related compounds  | Noscapine (Narcotine) hydrochloride | D791b | 50 | 121 | 169 |
| Heroin and related compounds  | Oxycodone  | D987 | 20 | 155 | 218 |
| Heroin and related compounds  | Oxymorphone  | D1038 | 10 | 155 | 218 |
| Heroin and related compounds  | Papaverine hydrochloride | D750b | 50 | 121 | 169 |
| Heroin and related compounds  | Pholcodine  | D539b | 20 | 155 | 218 |
| Heroin and related compounds  | Thebaine base | D731b | 20 | 121 | 169 |
| Heroin manufacture profiling and surrogates  | *N*-Acetylnorlaudanosine | D697 | 10 | 188 | 264 |
| Heroin manufacture profiling and surrogates  | Acetylthebaol (exhausted) | D704 | Exhausted |  |  |
| Heroin manufacture profiling and surrogates  | *O6, N-*Diacetylnorcodeine | D699 | 5 | 188 | 264 |
| Heroin manufacture profiling and surrogates  | Norcodeine | D698 | 5 | 155 | 218 |
| Heroin manufacture profiling and surrogates  | Normorphine (withdrawn from sale) | D701 | 5 | 155 | 218 |
| Heroin manufacture profiling and surrogates  | *N*-Oxide morphine  | D700 | Exhausted |  |  |
| Heroin manufacture profiling and surrogates  | Papaveraldine  | D743 | 20 | 188 | 264 |
| Heroin manufacture profiling and surrogates  | *N*-Propionylnorlaudanosine  | D859 | 10 | 188 | 264 |
| Heroin manufacture profiling and surrogates  | Oripavine  | D734b | 50 | 155 | 218 |
| Heroin manufacture profiling and surrogates  | Triacetylnormorphine  | D863 | 5 | 228 | 319 |
| Heroin manufacture profiling and surrogates  | d9-Triacetylnormorphine  | D894 | 5 | 228 | 319 |
| Heroin manufacture profiling and surrogates  | Thebaol  | D715 | 5 | 188 | 264 |
| Synthetic cannabinoids  | AB-CHMINACA  | D1049 | 10 | 121 | 169 |
| Synthetic cannabinoids  | AM1220 1-[(1-Methylpiperidin-2-yl)methyl]-3-(1-naphthoyl)-indole  | D982 | 20 | 121 | 169 |
| Synthetic cannabinoids  | AM2201 [1-(5-Fluoropentyl)-3-(1-napthoyl)-indole]  | D983 | 20 | 121 | 169 |
| Synthetic cannabinoids  | 5-Fluoro-AKB48 [*N*-(1-Adamantyl)-1-(5-fluoropentyl)-1*H*-indazole-3-carboxamide] | D1020 | 10 | 121 | 169 |
| Synthetic cannabinoids  | 5-Fluoro-PB-22 [1-(5-Fluoropentyl)-1*H*-indole-3-carboxylic acid 8-quinolinyl ester]  | D1023 | 10 | 121 | 169 |
| Synthetic cannabinoids  | JWH-018 [*N*-Pentyl-3-(1-naphthoyl)indole] | D955 | 20 | 155 | 218 |
| Synthetic cannabinoids  | JWH-210 [*N*-Pentyl-3-(4-ethyl-1-naphthoyl)indole] | D984 | 5 | 121 | 169 |
| Synthetic cannabinoids  | JWH-302 [2-(3-Methoxyphenyl)-1-(1-pentyl-1H-indol-3-yl)-ethanone]  | D1044 | 10 | 121 | 169 |
| Synthetic cannabinoids  | MDMB-CHMICA [Methyl 2-[[1-(cyclohexylmethyl)-1*H*-indol-3-yl]formamido]-3,3-dimethylbutanoate**]** | D1054 | 10 | 121 | 169 |
| Synthetic cannabinoids  | PB-22 [QUPIC] | D1022 | 20 | 121 | 169 |
| Synthetic cannabinoids  | UR-144 [1-Pentyl-3-(2,2,3,3-tetramethylcyclopropoyl)indole]  | D1014 | 5 | 121 | 169 |
| Synthetic cannabinoids  | XLR-11 [1-(5-Fluoro-pentyl)-3-(2,2,3,3-tetramethylcyclopropoyl)indole]  | D1000 | 25 | 121 | 169 |
| Miscellaneous  | Benzyl piperazine dihydrochloride (BZP) | D905 | 50 | 121 | 169 |
| Miscellaneous  | *m*-Trifluoromethylphenylpiperazine hydrochloride | D906 | 50 | 121 | 169 |
| Miscellaneous  | *m*-Chlorophenylpiperazine hydrochloride | D907 | 50 | 121 | 169 |
| Miscellaneous  | Caffeine | M724c | 50 | 155 | 218 |
| Miscellaneous  | Cannabidiol | D512c | 25 | 121 | 169 |
| Miscellaneous  | CP 47,497 (*rel*-5-(1,1-Dimethylheptyl)-2-[(1*R*,3*S*)-3-hydroxy-cyclohexyl]phenol) | D1047 | Exhausted |  |  |
| Miscellaneous  | *N*,*N*-Dimethyltryptamine | D674b | 20 | 188 | 264 |
| Miscellaneous  | *N*,*N*-Diethyltryptamine | D675 | 20 | 188 | 264 |
| Miscellaneous  | Etilefrine hydrochloride | M880b | 10 | 121 | 169 |
| Miscellaneous  | Etomidate | D976 | 5 | 121 | 169 |
| Miscellaneous  | Fenbutrazate hydrochloride | D915 | 1 | 155 | 218 |
| Miscellaneous  | Flunitrazepam | D882 | 25 | 121 | 169 |
| Miscellaneous  | 3-Fluorophenmetrazine hydrochloride  | D1061 | 10 | 155 | 218 |
| Miscellaneous  | Harmine  | D884 | 10 | 155 | 218 |
| Miscellaneous  | 5-Iodo-2-aminoindane hydrochloride | D980 | 10 | 121 | 169 |
| Miscellaneous  | Isometheptene mucate | D940 | 20 | 155 | 218 |
| Miscellaneous  | Ketamine hydrochloride | D686c | 50 | 155 | 218 |
| Miscellaneous  | MDMAI hydrochloride (*N*-methyl-6,7-dihydro-5H-cyclopenta[f][1,3]benzodioxol-6-amine) | D1050 | 10 | 121 | 169 |
| Miscellaneous  | Meperidine hydrochloride (pethidine) | D443b | 20 | 121 | 169 |
| Miscellaneous  | Methadone hydrochloride | D425b | 20 | 121 | 169 |
| Miscellaneous  | Methiopropamine hydrochloride | D978 | 10 | 121 | 169 |
| Miscellaneous  | Methoxetamine hydrochloride | D989 | 5 | 155 | 218 |
| Miscellaneous  | 5-Methoxy-α-methyltryptamine | D899 | Exhausted |  |  |
| Miscellaneous  | 5-Methoxy-α-methyltryptamine hydrochloride | D996 | 20 | 121 | 169 |
| Miscellaneous  | 5-Methoxy-*N,N*-diallyltryptamine | D954 | 10 | 155 | 218 |
| Miscellaneous  | 5-Methoxy-*N,N*-diisopropyltryptamine hydrochloride | D923b | 10 | 121 | 169 |
| Miscellaneous  | 5-Methoxy-*N*-methyl-*N*-isopropyltryptamine hydrochloride | D1034 | 10 | 121 | 169 |
| Miscellaneous  | 5-Methoxy-*N,N*-dimethyltryptamine (5-MeO-DMT) | D999  | Exhausted |  |  |
| Miscellaneous  | Norphenylephrine hydrochloride | M937b | 50 | 121 | 169 |
| Miscellaneous  | α-Methyltryptamine | D991 | 20 | 121 | 169 |
| Miscellaneous  | Phencyclidine hydrochloride | D748b | 50 | 228 | 319 |
| Miscellaneous  | Phentermine hydrochloride | D781 | 100 | 121 | 169 |
| Miscellaneous  | Racemoramide | D944 | 1  | 188 | 264 |
| Miscellaneous  | Sodium γ-hydroxybutyrate (GHB) | D812b | 50 | 121 | 169 |
| Miscellaneous  | Salbutamol | M898c | 10 | 155 | 218 |
| Miscellaneous  | d3-Salbutamol | D939 | 1 | 155 | 218 |
| Miscellaneous  | Tadalafil | D941 | 20 | 155 | 218 |
| Selective Androgen Receptor Modulators (SARMs) | Andarine | D1074 | 1 | 121 | 169 |
| Selective Androgen Receptor Modulators (SARMs) | Cardarine  | D1077 | 1 | 121 | 169 |
| Selective Androgen Receptor Modulators (SARMs) | Ligandrol (LGD-4033) | D1073 | 1 | 121 | 169 |
| Selective Androgen Receptor Modulators (SARMs) | MK-677  | D1078 | 1 | 121 | 169 |
| Selective Androgen Receptor Modulators (SARMs) | Ostarine | D1075 | 5 | 121 | 169 |
| Selective Androgen Receptor Modulators (SARMs) | RAD 140  | D1076 | 1 | 121 | 169 |
| Steroids | Boldenone (1,4-Androstadiene-17β-ol-3-one) | S008b | 10 | 121 | 169 |
| Steroids | Boldenone cypionate | S032 | 5 | 155 | 218 |
| Steroids | Drostanolone enanthate | S027  | 40 | 121 | 169 |
| Steroids | Drostanolone propionate | S025  | 20 | 121 | 169 |
| Steroids | Gestrinone | D860b | 10 | 121 | 169 |
| Steroids | Mesterolone  | S037  | 20 | 121 | 169 |
| Steroids | Methasterone  | S021 | 20 | 121 | 169 |
| Steroids | Nandrolone | S038 | 10  | 121 | 169 |
| Steroids | Nandrolone phenylpropionate | S029 | 20 | 121 | 169 |
| Steroids | Oral turinabol | D613 | 1 (ampoule) | 121 | 169 |
| Steroids | Oxandrolone  | S040 | 20 | 121 | 169 |
| Steroids | Stanozolol | D646 | 10 | 121 | 169 |
| Steroids | Testosterone | M914c | 10 | 121 | 169 |
| Steroids | Testosterone acetate | S042  | 10 | 121 | 169 |
| Steroids | Testosterone cypionate | S018 | 20 | 121 | 169 |
| Steroids | Testosterone decanoate | D683 | 10 | 121 | 169 |
| Steroids | Testosterone enanthate | D773d | 1 | 121 | 169 |
| Steroids | Testosterone isocaproate (4-methylpentanoate) | D688b | 10 | 121 | 169 |
| Steroids | Testosterone phenylpropionate | S030 | 20 | 121 | 169 |
| Steroids | Testosterone propionate | D710b | 25 | 121 | 169 |
| Steroids | Trenbolone acetate | S024 | 20 | 121 | 169 |
| Steroids | Trenbolone enanthate | S028 | 5 | 121 | 169 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description** | **NMI reference** | **Unit of issue (mg)** | Domestic Cost (A$) (excl GST) | InternationalCost (A$) |
| **SUPPLIED WITH THE MANUFACTURER’S CERTIFICATE OF ANALYSIS** **(These materials have not been certified by NMI)** |  |  |  |  |
| LSD (9,10-didehydro-*N*,*N*-diethyl-6-methylergoline-8-β-carboxamide) (1 mg/mL in acetonitrile solution)(exhausted) | D827 | Not available  | 231 | N/A |
| Psilocybin (currently not available) (exhausted) | D727 | Not available | 110 | N/A |
| Delta-9-THC (1 mg/mL in methanol)(exhausted) | D850 | Not available | 193 | N/A |

### NMI Reference Materials

Reference Materials (RMs) produced by NMI are NATA accredited to ISO 17034:2016(E) and prepared in accordance with our accreditation.

RMs have demonstrated homogeneity and stability and are supplied with:

* Product information sheet
* Safety Data Sheet (SDS)

### NMI Certified Reference Materials

Certified Reference Materials (CRMs) produced by NMI have established metrological traceability to the SI unit for mass (kg).

CRMs have certified purity values, stated as a mass fraction with associated uncertainty and are supplied with:

* Certificate of Analysis (CoA)

### Candidate materials

All care is taken in the storage and handling of these materials however they are not independently certified by NMI.

Individual unit issue size varies depending on the amount available and the difficulty of obtaining the replacement compound. They can be provided with the analytical information available.

### Ampouled Materials

For each ampouled reference material the product information sheet / certificate of analysis will state the mass of analyte dispensed into each ampoule.

### GST charges (Australian customers only)

The prices quoted are EXCLUSIVE of Goods and Services Tax (GST). The current GST rate is 10%. Upon delivery of the requested reference materials NMI will issue valid tax invoices and, if required, adjustment notes as per the requirements of the GST legislation.

### Delivery Fee

Delivery and handling fees apply for all orders and vary with destination. Please check the applicable rates when ordering.

### For further information

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[www.measurement.gov.au/chemref](http://www.measurement.gov.au/chemref)

NMI reference materials available globally through our international partner:

LGC Standards

Web: [www.lgcstandards.com](http://www.lgcstandards.com)



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