



Australian Government  
Department of Industry, Science,  
Energy and Resources

National  
Measurement  
Institute



REFERENCE MATERIAL CATALOGUE

# Forensic Drug Reference Material Catalogue

NMI reference materials available globally through our international partners:



**Cerilliant**<sup>®</sup>  
Analytical Reference Standards

**Cerilliant**

[www.cerilliant.com](http://www.cerilliant.com)



**LGC Standards**

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



**Merck**

[www.sigmaaldrich.com](http://www.sigmaaldrich.com)

	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
<b>Amphetamines and related compounds</b>				
6-(2-Aminopropyl)benzofuran hydrochloride	D990	5	141	198
(±)-5-(2-Aminopropyl)-2,3-dihydro-1H-indene hydrochloride	D1060	10	110	154
(±)-Amphetamine hydrochloride	D736c	50	141	198
(±)-Amphetamine sulfate	D420d	50	110	154
d-(+)-Amphetamine sulfate	D961	50	141	198
(±)-2-Bromoamphetamine hydrochloride	D1046	10	110	154
(±)-3-Bromoamphetamine hydrochloride	D1045	10	110	154
(±)-4-Bromoamphetamine hydrochloride	D1032	10	110	154
(±)-2-Bromomethamphetamine hydrochloride	D1037	10	110	154
(±)-3-Bromomethamphetamine hydrochloride	D1036	10	110	154
(±)-4-Bromomethamphetamine hydrochloride	D1028	10	110	154
(±)-4-Bromo-2,5-dimethoxyamphetamine hydrochloride (DOB)	D396b	20	171	240
(±)-Bromodragonfly hydrochloride	D1051	10	110	154
(±)-2-Chloroamphetamine hydrochloride	D1042	10	110	154
(±)-3-Chloroamphetamine hydrochloride	D1033	10	110	154
(±)-4-Chloroamphetamine hydrochloride	D1043	10	110	154
(±)-2-Chloromethamphetamine hydrochloride	D1029	10	110	154
(±)-3-Chloromethamphetamine hydrochloride	D1030	10	110	154
(±)-4-Chloromethamphetamine hydrochloride	D1031	10	110	154
Clobenzorex hydrochloride	D692b	20	207	290
(±)-2,5-Dimethoxyamphetamine hydrochloride	D749b	50	207	290
(±)-2,5-Dimethoxy-4-chloroamphetamine hydrochloride	D1063	20	110	154
(±)-2,5-Dimethoxy-4-methylamphetamine hydrochloride (DOM)	D470b	10	141	198
(±)-2,5-Dimethoxy-4-methylthioamphetamine hydrochloride	D1015	20	110	154
(±)-3,4-Dimethoxyamphetamine hydrochloride	D453	50	207	290
(±)-3,4-Dimethoxyamphetamine hydrochloride	D453b	20	110	154
(±)-N,N-Dimethylamphetamine hydrochloride	D693d	20	110	154
(±)-N,N-Dimethyl-3,4-methylenedioxyamphetamine hydrochloride	D503	20	171	240
(±)-DragonFLY hydrochloride	D1058	10	141	198
(±)-N-Ethylamphetamine hydrochloride	D753c	50	110	154
(±)-N-Ethyl-3,4-methylenedioxyamphetamine hydrochloride (MDEA)	D739c	50	171	240
Fenethylamine hydrochloride	D543b	20	141	198
Fenproporex hydrochloride	D500b	25	110	154
(±)-2-Fluoroamphetamine hydrochloride	D946	10	171	240
(±)-3-Fluoroamphetamine hydrochloride	D979	10	110	154
(±)-4-Fluoroamphetamine hydrochloride	D943b	10	110	154
(±)-2-Fluoromethamphetamine hydrochloride	D933	10	110	154

	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
(±)-3-Fluoromethamphetamine hydrochloride	D994	20	110	154
(±)-4-Fluoromethamphetamine hydrochloride	D934	10	110	154
(±)-FLY hydrochloride	D1059	10	141	198
(±)-4-Hydroxyamphetamine hydrochloride (HMA)	D824b	20	207	290
Mescaline hydrogen sulfate	D768b	10	171	240
(±)-2-Methoxyamphetamine hydrochloride	D1064	20	110	154
(±)-4-Methoxyamphetamine hydrochloride (PMA)	D756b	50	141	198
(±)-4-Methoxymethamphetamine hydrochloride (PMMA)	D908b	10	171	240
(±)-4-Methylamphetamine hydrochloride	D895b	10	171	240
(±)-4-Methylmethamphetamine hydrochloride	D963	20	171	240
(±)-Methamphetamine hydrochloride	D816g	50	141	198
S-(+)-Methamphetamine hydrochloride	D830b	50	110	154
(±)-3,4-Methylenedioxyamphetamine hydrochloride (MDA)	D842c	50	110	154
(±)- <i>N</i> -Methyl-3,4-methylenedioxyamphetamine hydrochloride (MDMA)	D792d	50	141	198
(±)- <i>N</i> -Methyl-1-(3,4-methylenedioxyphenyl)-2-butylamine hydrochloride (MBDB)	D450b	20	171	240
(±)-4-Methylthioamphetamine hydrochloride (MTA)	D687b	20	171	240
(±)-4-Methylthiomethamphetamine hydrochloride	D1057	10	110	154
(±)- <i>N-tert</i> -Butyloxycarbonyl-methamphetamine	D1068	50	110	154
(±)- <i>N-tert</i> -Butyloxycarbonyl-3,4-methylenedioxymethamphetamine	D1069	50	110	154
Ortetamine hydrochloride (1-(2-methylphenyl)-2-propylamine hydrochloride)	D912b	10	207	290
(±)- <i>N</i> -Propyl-3,4-methylenedioxyamphetamine hydrochloride	D495	20	171	240
Selegiline hydrochloride	D822	50	141	198
(±)-3,4,5-Trimethoxyamphetamine hydrochloride (TMA)	D778	20	171	240
<i>N-p</i> -Tosyl methamphetamine	D1071	50	110	154
<b>Amphetamine precursors, intermediates and profiling impurities</b>				
<i>N</i> -Acetylamphetamine	D445b	50	141	198
(±)- <i>N</i> -Acetyl-3,4-methylenedioxyamphetamine	D738b	20	171	240
$\alpha$ -Acetylphenylacetone nitrile	D965	20	110	154
Benzyl methyl ketone (P2P)	D868b	10	50	65
1-Benzyl-3-methylnaphthalene	D456	50	171	240
<i>N</i> -( $\alpha$ -Benzylphenethyl)-formamide	D970	10	110	154
$\alpha$ -Benzylphenethylamine hydrochloride	D971	10	110	154
Bromosaffrole	D455	50	171	240
1,2-Dimethoxy-4-(2-propenyl)-benzene	D885	25	171	240
<i>N</i> -Formylamphetamine	D447c	50	141	198
<i>N</i> -Formyl-di-(1-isopropylphenyl)amine ( <i>N</i> -Formyl DPIA)	D465	20	141	198
<i>N</i> -Formylmethamphetamine	D502b	20	110	154
(±)- <i>N</i> -Formyl-3,4-methylenedioxyamphetamine	D498	50	141	198

	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
<i>N</i> -Formyl- <i>N</i> -methyl-3,4-methylenedioxyamphetamine	D538	50	141	198
<i>N</i> -Formyl-1-phenylethylamine	D526	50	171	240
<i>N</i> -Methyl- $\alpha$ -benzylphenethylamine hydrochloride	D972	10	110	154
<i>N</i> -Methyl-3, 4-methylenedioxybenzylamine hydrochloride	D883	20	171	240
Methyl $\alpha$ -phenylacetoacetate	D1080	50	110	154
3,4-Methylenedioxybenzyl methyl ketoxime	D890	10	171	240
1-(3,4-Methylenedioxyphenyl)-2-nitropropene	D669	20	171	240
( <i>R,S</i> )-1-(3,4-Methylenedioxyphenyl)-propan-2-ol	D880	Exhausted		
3,4-Methylenedioxyphenylacetone (MDP2P)	D810b	500	171	240
3,4-Methylenedioxytoluene	D887b	50	110	154
<i>N,N</i> -Di[1-(3,4-methylenedioxyphenyl)-2-propyl]amine hydrochloride	D879	20	171	240
<i>bis</i> -(1-(3,4-Methylenedioxyphenyl)-propan-2-yl)amine hydrochloride (1 diastereoisomer)	D896	20	171	240
(2 <i>S</i> *, 3 <i>R</i> *)-2-Methyl-3-[3,4-(methylenedioxy)phenyl]-glycidic acid methyl ester	D903	50	171	240
Phenylacetic acid	D917	50	110	154
1-Phenyl-2-nitropropene	D869	100	141	198
( $\pm$ )-Phenyl-propan-2-ol	D945	20	110	154
Piperonal	D870	100	141	198
Piperonyl alcohol	D881	50	110	154
<b>Phenethylamines and related compounds</b>				
2,5-Dimethoxy-phenylethylamine hydrochloride	D993	20	110	154
2,5-Dimethoxy-4-bromo-phenethylamine hydrochloride (Nexus)	D758b	20	110	154
2,5-Dimethoxy-4-chloro-phenethylamine hydrochloride (2C-C)	D1007	10	141	198
2,5-Dimethoxy-3,4-dimethylphenylethylamine hydrochloride (2C-G)	D1017	20	110	154
2,5-Dimethoxy-4-ethyl-phenylethylamine hydrochloride (2C-E)	D1003	20	110	154
2,5-Dimethoxy-4-ethylthio-phenylethylamine hydrochloride (2C-T-2)	D1040	10	110	154
2,5-Dimethoxy-4-iodo-phenylethylamine hydrochloride (2C-I)	D922	10	141	198
2,5-Dimethoxy-4-isopropoxyphenylethylamine hydrochloride	D1041	10	110	154
2,5-Dimethoxy-4-methyl-phenylethylamine hydrochloride (2C-D)	D1009	20	110	154
2,5-Dimethoxy-4-methylthio-phenylethylamine hydrochloride	D1019	10	110	154
2,5-Dimethoxy-4-propylthio-phenylethylamine hydrochloride	D919	5	171	240
2-(1,4-Dimethoxy-5,6,7,8-tetrahydronaphthalen-2-yl)ethanamine hydrochloride (2C-G-4)	D1052	10	110	154

	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
2-(1,4-Dimethoxynaphthalen-2-yl)ethanamine hydrochloride (2C-G-N)	D1053	10	110	154
2,5-Dimethoxy-4-(trifluoromethyl)phenylethylamine hydrochloride 2C-TFM	D1039	10	110	154
25B-NBOMe (2-(4-bromo-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine hydrochloride	D995	20	110	154
25C-NBOMe (2-(4-chloro-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine hydrochloride	D1008	10	141	198
25D-NBOMe (2-(4-methyl-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine hydrochloride	D1010	10	141	198
25E-NBOMe (2-(4-ethyl-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine hydrochloride	D1002	20	110	154
2-(3,4-Dimethyl-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine hydrochloride	D1018	10	110	154
25H-NBOMe (2-(2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine hydrochloride	D998	20	110	154
25I-NBOMe (2-(4-iodo-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine hydrochloride	D1001	20	141	198
2-(4-Methylthio-2,5-dimethoxyphenyl)-N-[(2-methoxyphenyl)methyl]ethanamine hydrochloride	D1016	10	110	154
N-Methyl-1-phenylethylamine hydrochloride	D525	50	171	240
2,4,5-Trimethoxyphenethylamine hydrochloride	D1048	10	110	154
<b>1-Phenyl-2-aminobutanes and related compounds</b>				
N-Ethyl-1-phenyl-2-butylamine hydrochloride	D997	20	110	154
<b>Cocaine, metabolites and related compounds</b>				
Benzoylcegonine tetrahydrate	D745c	50	141	198
<i>trans</i> -Cinnamoylcocaine	D755	20	171	240
Cocaine base	D826b	50	141	198
Cocaine hydrochloride	D747c	20	141	198
Ecgonine hydrochloride	D746b	50	141	198
Anhydroecgonine methyl ester	D847	Exhausted		
Methyl ecgonine hydrochloride, monohydrate	D452c	10	171	240
<b>Cocaine manufacture profiling and surrogates</b>				
Dimethyl $\mu$ -truxinate	D953	5	110	154
<i>p</i> -Fluorococaine hydrochloride	D854b	20	110	154
<i>p</i> -Fluorotropacocaine hydrochloride	D949b	10	110	154
N-Formylnorcocaine (exhausted)	D857b	10	141	198
Isopropylcocaine	D936	50	141	198
Norcocaine hydrochloride	D856b	10	110	154
3,4,5-Trimethoxycocaine hydrochloride	D855	20	171	240



	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
3,4,5-Trimethoxytropacocaine hydrochloride (exhausted)	D858b	10	171	240
Tropacocaine hydrochloride	D846b	20	171	240
<b>Cathinones (<math>\alpha</math>-Aminopropiophenones)</b>				
( $\pm$ )-3-Bromomethcathinone hydrochloride	D1035	10	110	154
( $\pm$ )-Cathinone hydrochloride	D929b	20	171	240
( $\pm$ )- <i>N,N</i> -Diethylcathinone hydrochloride	D957	20	110	154
3,4-Dimethoxymethcathinine hydrochloride	D1062	10	110	154
( $\pm$ )- <i>N,N</i> -Dimethylcathinone hydrochloride	D958	20	110	154
( $\pm$ )-3,4-Dimethylmethcathinone hydrochloride	D962	10	207	290
( $\pm$ )- <i>N</i> -Ethylcathinone hydrochloride	D938b	20	171	240
( $\pm$ )- <i>N</i> -Ethyl-3,4-methylenedioxcathinone hydrochloride	D959	20	171	240
( $\pm$ )-3-Fluoromethcathinone hydrochloride	D947b	20	110	154
( $\pm$ )-4-Fluoromethcathinone hydrochloride	D969b	10	110	154
( $\pm$ )-Methcathinone hydrochloride	D724b	20	171	240
( $\pm$ )-4-Methoxycathinone hydrochloride	D1025	10	110	154
( $\pm$ )-4-Methoxy- $\alpha$ -pyrrolidinopropiophenone (MOPPP) hydrochloride	D1024	10	110	154
4-Methoxymethcathinone hydrochloride	D952	20	171	240
3,4-Methylenedioxy- <i>N,N</i> -dimethylcathinone hydrochloride	D977	20	110	154
3,4-Methylenedioxymethcathinone hydrochloride	D942	20	171	240
3,4-Methylenedioxy- $\alpha$ -pyrrolidinopropiophenone hydrochloride	D960	20	110	154
( $\pm$ )-4-Methyl- <i>N</i> -benzylcathinone hydrochloride	D1026	10	110	154
4-Methylethylcathinone hydrochloride (MEC)	D968	20	110	154
4-Methylmethcathinone hydrochloride	D937b	10	171	240
( $\pm$ )-4-Methyl- $\alpha$ -pyrrolidinopropiophenone hydrochloride (MPPP)	D964	20	110	154
$\alpha$ -Pyrrolidinopropiophenone hydrochloride (PPP)	D956	20	171	240
<b>Butyrophenones (<math>\alpha</math>-Alkylamino) and related substances</b>				
Butylone hydrochloride				
1-(3,4-Methylenedioxyphenyl)-2-(methylamino)butan-1-one	D948	20	171	240
$\alpha$ -Dimethylaminobutyrophenone hydrochloride	D1011	20	141	198
$\alpha$ -Ethylaminobutyrophenone hydrochloride	D1013	20	141	198
<i>N</i> -Ethylbuphedrone hydrochloride				
<i>N</i> -Methylbutylone hydrochloride				
1-(3,4-Methylenedioxyphenyl)-2-(dimethylamino)butan-1-one	D1027	10	110	154
3,4-Methylenedioxy- $\alpha$ -pyrrolidinobutyrophenone hydrochloride	D973	5	110	154
4'-Methyl- $\alpha$ -pyrrolidinobutyrophenone hydrochloride (MPBP)	D974	5	110	154
$\alpha$ -Pyrrolidinobutyrophenone hydrochloride	D1012	20	141	198
<b>Pentiophenones (<math>\alpha</math>-Alkylamino) and related substances</b>				

	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
$\alpha$ -Dimethylaminopentiophenone hydrochloride	D1006	20	110	154
$\alpha$ -Ethylaminopentiophenone hydrochloride	D1005	10	110	154
$\alpha$ -Methylaminopentiophenone hydrochloride (in progress)	D1004			
3,4-Methylenedioxypropylvalerone hydrochloride (MDPV)	D951b	20	110	154
$\alpha$ -Naphyrone hydrochloride	D981	10	110	154
Naphyrone hydrochloride	D975	5	110	154
Pentylone hydrochloride				
1-(3,4-Methylenedioxyphenyl)-2-(methylamino)pentan-1-one	D992	20	110	154
$\alpha$ -Pyrrolidinopentiophenone hydrochloride	D986b	5	110	154
Pyrovalerone				
( $\pm$ )-1-(4-methylphenyl)-2-(1-pyrrolidinyl)pentan-1-one	D985	20	110	154
<b>Ephedrine and related compounds</b>				
(+)-Ephedrine hemihydrate	M723	100	141	198
(-)-Ephedrine hydrochloride	M924	100	141	198
dl-Norephedrine hydrochloride (Phenylpropanolamine)	M296	100	110	154
(+)-Norpseudoephedrine hydrochloride (Cathine)	M297	50	110	154
p-Hydroxyephedrine hydrochloride (Oxilifrine hydrochloride)	D892	5	110	154
(-)-Methylephedrine hydrochloride	M243b	20	110	154
(-)-Pseudoephedrine base	D397	100	141	198
(+)-Pseudoephedrine hydrochloride	D775b	50	110	154
<b>Heroin and related compounds</b>				
Acetylcodeine base	D821c	50	171	240
Buprenorphine base	D932	10	110	154
Codeine base	D671b	50	141	198
d <sub>3</sub> -Codeine base	D673	1	141	198
Codeine glucuronide	D694	0.1	141	198
d <sub>3</sub> -Codeine glucuronide	D695	0.1 (ampoule)	207	290
Dihydrocodeine hydrogen tartrate	D823	50	141	198
Heroin base	D752c	50	171	240
Hydrocodone	D988	20	110	154
Hydromorphone hydrochloride	D785b	20	110	154
Methyl codeine	D924	10	110	154
3-Monoacetylmorphine sulfamate	D766c	20	110	154
6-Monoacetylmorphine base	D777c	20	110	154
Morphine base monohydrate	D408e	50	141	198
d <sub>3</sub> -Morphine base	D709	1	141	198
Morphine sulfate	D925	50	141	198
Noscapine (Narcotine) base	D831b	50	141	198
Noscapine (Narcotine) hydrochloride	D791b	50	110	154
Oxycodone	D987	20	141	198

	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
Oxymorphone	D1038	10	141	198
Papaverine hydrochloride	D750b	50	110	154
Pholcodine	D539b	20	141	198
Thebaine base	D731b	20	110	154
<b>Heroin manufacture profiling and surrogates</b>				
<i>N</i> -Acetylnorlaudanosiene	D697	10	171	240
Acetylthebaol (exhausted)	D704	Exhausted		
<i>O</i> <sup>6</sup> , <i>N</i> -Diacetylnorcodeine	D699	5	171	240
Norcodeine	D698	5	141	198
Normorphine (withdrawn from sale)	D701	5	141	198
<i>N</i> -Oxide morphine	D700	Exhausted		
Papaveraldine	D743	20	171	240
<i>N</i> -Propionynorlaudanosiene	D859	10	171	240
Oripavine	D734b	50	141	198
Triacetylnormorphine	D863	5	207	290
<i>d</i> <sub>9</sub> -Triacetylnormorphine	D894	5	207	290
Thebaol	D715	5	171	240
<b>Synthetic cannabinoids</b>				
AB-CHMINACA	D1049	10	110	154
AM1220 1-[(1-Methylpiperidin-2-yl)methyl]-3-(1-naphthoyl)-indole	D982	20	110	154
AM2201 [1-(5-Fluoropentyl)-3-(1-naphthoyl)-indole]	D983	20	110	154
5-Fluoro-AKB48 [ <i>N</i> -(1-Adamantyl)-1-(5-fluoropentyl)-1 <i>H</i> -indazole-3-carboxamide]	D1020	10	110	154
5-Fluoro-PB-22 [1-(5-Fluoropentyl)-1 <i>H</i> -indole-3-carboxylic acid 8-quinolinyl ester]	D1023	10	110	154
JWH-018 [ <i>N</i> -Pentyl-3-(1-naphthoyl)indole]	D955	20	141	198
JWH-210 [ <i>N</i> -Pentyl-3-(4-ethyl-1-naphthoyl)indole]	D984	5	110	154
JWH-302 [2-(3-Methoxyphenyl)-1-(1-pentyl-1 <i>H</i> -indol-3-yl)-ethanone]	D1044	10	110	154
MDMB-CHMICA [Methyl 2-[[1-(cyclohexylmethyl)-1 <i>H</i> -indol-3-yl]formamido]-3,3-dimethylbutanoate]	D1054	10	110	154
PB-22 [QUPIIC]	D1022	20	110	154
UR-144 [1-Pentyl-3-(2,2,3,3-tetramethylcyclopropoyl)indole]	D1014	5	110	154
XLR-11 [1-(5-Fluoro-pentyl)-3-(2,2,3,3-tetramethylcyclopropoyl)indole]	D1000	25	110	154
<b>Miscellaneous</b>				
Benzyl piperazine dihydrochloride (BZP)	D905	50	110	154
<i>m</i> -Trifluoromethylphenylpiperazine hydrochloride	D906	50	110	154
<i>m</i> -Chlorophenylpiperazine hydrochloride	D907	50	110	154
Caffeine	M724c	50	141	198
Cannabidiol	D512b	25	110	154
CP 47,497 ( <i>rel</i> -5-(1,1-Dimethylheptyl)-2-[(1 <i>R</i> ,3 <i>S</i> )-3-hydroxy-cyclohexyl]phenol)	D1047	10	110	154
<i>N,N</i> -Dimethyltryptamine	D674b	20	171	240
<i>N,N</i> -Diethyltryptamine	D675	20	171	240



	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
Etilefrine hydrochloride	M880b	10	110	154
Etomidate	D976	5	110	154
Fenbutrazate hydrochloride	D915	1	141	198
Flunitrazepam	D882	25	110	154
3-Fluorophenmetrazine hydrochloride	D1061	10	141	198
Harmine	D884	10	141	198
5-Iodo-2-aminoindane hydrochloride	D980	10	110	154
Isometheptene mucate	D940	20	141	198
Ketamine hydrochloride	D686c	50	141	198
MDMAI hydrochloride ( <i>N</i> -methyl-6,7-dihydro-5H-cyclopenta[ <i>f</i> ][1,3]benzodioxol-6-amine)	D1050	10	110	154
Meperidine hydrochloride (pethidine)	D443b	20	110	154
Methadone hydrochloride	D425b	20	110	154
Methiopropamine hydrochloride	D978	10	110	154
Methoxetamine hydrochloride	D989	5	141	198
5-Methoxy- $\alpha$ -methyltryptamine	D899	10	110	154
5-Methoxy- $\alpha$ -methyltryptamine hydrochloride	D996	20	110	154
5-Methoxy- <i>N,N</i> -diallyltryptamine	D954	10	141	198
5-Methoxy- <i>N,N</i> -diisopropyltryptamine hydrochloride	D923b	10	110	154
5-Methoxy- <i>N</i> -methyl- <i>N</i> -isopropyltryptamine hydrochloride	D1034	10	110	154
5-Methoxy- <i>N,N</i> -dimethyltryptamine (5-MeO-DMT)	D999	10	141	198
Norphenylephrine hydrochloride	M937b	50	110	154
$\alpha$ -Methyltryptamine	D991	20	110	154
Phencyclidine hydrochloride	D748b	50	207	290
Phentermine hydrochloride	D781	100	110	154
Racemoramide	D944	1 (ampoule)	171	240
Sodium $\gamma$ -hydroxybutyrate (GHB)	D812b	50	110	154
Salbutamol	M898c	10	141	198
<i>d</i> <sub>3</sub> -Salbutamol	D939	1	141	198
Tadalafil	D941	20	141	198
<b>Selective Androgen Receptor Modulators (SARMs)</b>				
Andarine	D1074	1	110	154
Cardarine	D1077	1	110	154
Ligandrol (LGD-4033)	D1073	1	110	154
MK-677	D1078	1	110	154
Ostarine	D1075	5	110	154
RAD 140	D1076	1	110	154
<b>Steroids</b>				
Boldenone (1,4-Androstadiene-17 $\beta$ -ol-3-one)	S008b	10	110	154
Boldenone cypionate	S032	5	141	198
Drostanolone enanthate	S027	40	110	154
Drostanolone propionate	S025	20	110	154
Gestrinone	D860b	10	110	154

	NMI reference	Unit of issue (mg)	Cost (A\$)	
			Domestic (excl GST)	International
Mesterolone	S037	20	110	154
Methasterone	S021	20	110	154
Nandrolone	S038	10	110	154
Nandrolone phenylpropionate	S029	20	110	154
Oral turinabol	D613	1 (ampoule)	110	154
Oxandrolone	S040	20	110	154
Stanozolol	D646	10	110	154
Testosterone	M914c	10	110	154
Testosterone acetate	S042	10	110	154
Testosterone cypionate	S018	20	110	154
Testosterone decanoate	D683	10	110	154
Testosterone enanthate	D773c	25	110	154
Testosterone isocaproate (4-methylpentanoate)	D688b	10	110	154
Testosterone phenylpropionate	S030	20	110	154
Testosterone propionate	D710	50	110	154
Trenbolone acetate	S024	20	110	154
Trenbolone enanthate	S028	5	110	154
<b>COMMERCIAL MATERIALS SUPPLIED WITH MANUFACTURER'S CERTIFICATE OF ANALYSIS</b>				
(these materials have not been certified by NMI)				
LSD (9,10-didehydro- <i>N,N</i> -diethyl-6-methylergoline-8- $\beta$ -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

## NOTES

### 1. Restrictions on Issue

Materials listed are primarily controlled substances and their supply is subject to relevant State and Commonwealth legislation regarding the possession and handling of scheduled drugs and poisons. Purchasers must be able to provide on request copies of a current license to possess the materials.

### 2. Classes of Reference Materials available from NMI

**The majority of products listed in this catalogue are classified as certified reference materials in accordance with the definition detailed in ISO 17034:2016(E) *General requirements for the competence of reference materials producers*.**

#### 2.1 NMI Reference Materials

Reference Materials (RMs) produced by NMI are prepared in accordance with our accreditation from NATA to ISO 17034:2016(E) *General requirements for the competence of reference materials producers*. RMs are supplied with product information sheets and SDS, and have demonstrated homogeneity and stability.

#### 2.2 NMI Certified Reference Materials

Certified Reference Materials (CRMs) produced by NMI have established metrological traceability to the SI unit for mass (kg). All purity values, stated as a mass fraction, are reported with the associated uncertainty in the certificate of analysis.

#### 2.3 Other Standards

In addition to materials certified by NMI, we maintain a limited collection of agrochemical and veterinary materials obtained from various sources. They are provided with the most current certification information available. In addition to the minimum fee, purchase costs incurred by NMI to obtain individual compounds are recovered on a pro-rata basis. Individual unit issue size varies depending on the amount available and the difficulty of obtaining replacement compound.

### 3. Ampouled Materials

For each ampouled reference material the product information sheet / certificate of analysis will state the mass of analyte dispensed into each ampoule. For reference materials with certified reference material status the mass of analyte will be reported with an associated uncertainty.

### 4. 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.

### 5. Delivery Fee

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

### 6. For further information

Customer Service Officer,  
Chemical Reference Materials Team,  
National Measurement Institute,  
GPO Box 2013, Canberra, ACT 2601, Australia.

Phone: +61 2 9449 0191

Fax: +61 2 9449 0292

Email: [chemref@measurement.gov.au](mailto:chemref@measurement.gov.au)

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