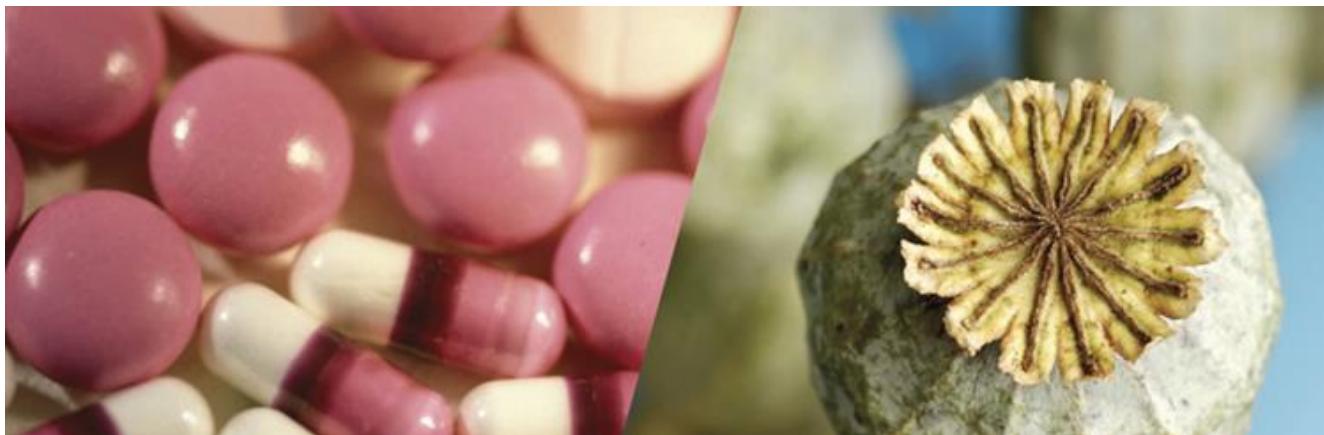




Australian Government  
Department of Industry,  
Science and Resources

National  
Measurement  
Institute



# 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)	International Cost (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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
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-methylenedioxymphetamine 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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Amphetamines and related compounds	(±)-N-Ethyl-3,4-methylenedioxymphetamine 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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
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-Methylenedioxymphetamine hydrochloride (MDA)	D842c	50	121	169
Amphetamines and related compounds	(±)-N-Methyl-3,4-methylenedioxymphetamine hydrochloride (MDMA)	D792f	50	155	218
Amphetamines and related compounds	(±)-N-Methyl-1-(3,4-methylenedioxophenyl)-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- <i>tert</i> -Butyloxycarbonylmethamphetamine	D1068	50	121	169
Amphetamines and related compounds	(±)-N- <i>tert</i> -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-methylenedioxymamphetamine hydrochloride	D495	20	188	264

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
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	<i>N</i> - <i>p</i> -Tosyl methamphetamine	D1071	50	121	169
Amphetamine precursors, intermediates and profiling impurities	<i>N</i> -Acetylamphetamine	D445b	50	155	218
Amphetamine precursors, intermediates and profiling impurities	(±)- <i>N</i> -Acetyl-3,4-methylenedioxymphetamine	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	<i>N</i> -(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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Amphetamine precursors, intermediates and profiling impurities	1,2-Dimethoxy-4-(2-propenyl)-benzene	D885	25	188	264
Amphetamine precursors, intermediates and profiling impurities	<i>N</i> -Formylamphetamine	D447c	50	155	218
Amphetamine precursors, intermediates and profiling impurities	<i>N</i> -Formyl-di-(1-isopropylphenyl)amine ( <i>N</i> -Formyl DPIA)	D465	20	155	218
Amphetamine precursors, intermediates and profiling impurities	<i>N</i> -Formylmethamphetamine	D502b	20	121	169
Amphetamine precursors, intermediates and profiling impurities	(±)- <i>N</i> -Formyl-3,4-methylenedioxymphetamine	D498	50	155	218
Amphetamine precursors, intermediates and profiling impurities	<i>N</i> -Formyl- <i>N</i> -methyl-3,4-methylenedioxymphetamine	D538	50	155	218
Amphetamine precursors, intermediates and profiling impurities	<i>N</i> -Formyl-1-phenylethylamine	D526	50	188	264
Amphetamine precursors, intermediates and profiling impurities	<i>N</i> -Methyl-α-benzylphenethylamine hydrochloride	D972	10	121	169
Amphetamine precursors, intermediates and profiling impurities	<i>N</i> -Methyl-3, 4-methylenedioxymethylamine hydrochloride	D883	20	188	264

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Amphetamine precursors, intermediates and profiling impurities	Methyl $\alpha$ -phenylacetate (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-Methylenedioxymethyl)-2-nitropropene	D669	20	188	264
Amphetamine precursors, intermediates and profiling impurities	(R,S)-1-(3,4-Methylenedioxymethyl)-propan-2-ol	D880	Exhausted		
Amphetamine precursors, intermediates and profiling impurities	3,4-Methylenedioxymethylacetone (MDP2P)	D810b	500	188	264
Amphetamine precursors, intermediates and profiling impurities	3,4-Methylenedioxytoluene	D887b	50	121	169
Amphetamine precursors, intermediates and profiling impurities	<i>N,N</i> -Di[1-(3,4-methylenedioxymethyl)-2-propyl]amine hydrochloride	D879	20	188	264
Amphetamine precursors, intermediates and profiling impurities	<i>bis</i> -(1-(3,4-Methylenedioxymethyl)-propan-2-yl)amine hydrochloride (1 diastereoisomer)	D896	20	188	264
Amphetamine precursors, intermediates and profiling impurities	(2 <i>S</i> <sup>*</sup> , 3 <i>R</i> <sup>*</sup> )-2-Methyl-3-[3,4-(methylenedioxymethyl)-glycidic acid methyl ester	D903	50	188	264

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
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	<i>N</i> -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	<i>N</i> -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	<i>trans</i> -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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
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 $\mu$ -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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )-3-Bromomethcathinone hydrochloride	D1035	10	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )-Cathinone hydrochloride	D929b	20	188	264
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )- <i>N,N</i> -Diethylcathinone hydrochloride	D957	20	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	3,4-Dimethoxymethcathinone hydrochloride	D1062	10	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )- <i>N,N</i> -Dimethylcathinone hydrochloride	D958	20	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )-3,4-Dimethylmethcathinone hydrochloride	D962	10	228	319
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )- <i>N</i> -Ethylcathinone hydrochloride	D938b	20	188	264
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )- <i>N</i> -Ethyl-3,4-methylenedioxycathinone hydrochloride	D959	20	188	264
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )-3-Fluoromethcathinone hydrochloride	D947b	20	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )-4-Fluoromethcathinone hydrochloride	D969b	10	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )-Methcathinone hydrochloride	D724b	20	188	264
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )-4-Methoxycathinone hydrochloride	D1025	10	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )-4-Methoxy- $\beta$ -pyrrolidinopropiophenone (MOPPP) hydrochloride	D1024	10	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	4-Methoxymethcathinone hydrochloride	D952	20	188	264
Cathinones ( $\alpha$ -Aminopropiophenones)	3,4-Methylenedioxy- <i>N,N</i> -dimethylcathinone hydrochloride	D977	20	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	3,4-Methylenedioxymethcathinone hydrochloride	D942	20	188	264

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Cathinones ( $\alpha$ -Aminopropiophenones)	3,4-Methylenedioxy- $\alpha$ -pyrrolidinopropiophenone hydrochloride	D960	20	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )-4-Methyl- $N$ -benzylcathinone hydrochloride	D1026	10	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	4-Methylethylcathinone hydrochloride (MEC)	D968	20	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	4-Methylmethcathinone hydrochloride	D937b	10	188	264
Cathinones ( $\alpha$ -Aminopropiophenones)	( $\pm$ )-4-Methyl- $\alpha$ -pyrrolidinopropiophenone hydrochloride (MPPP)	D964	20	121	169
Cathinones ( $\alpha$ -Aminopropiophenones)	$\alpha$ -Pyrrolidinopropiophenone hydrochloride (PPP)	D956	20	188	264
Butyrophenones ( $\alpha$ -Alkylamino) and related substances	Butylone hydrochloride 1-(3,4-Methylenedioxyphenyl)-2-(methylamino)butan-1-one	D948	20	188	264
Butyrophenones ( $\alpha$ -Alkylamino) and related substances	$\alpha$ -Dimethylaminobutyrophenone hydrochloride	D1011	20	155	218
Butyrophenones ( $\alpha$ -Alkylamino) and related substances	$\alpha$ -Ethylaminobutyrophenone hydrochloride <i>N</i> -Ethylbuphedrone hydrochloride	D1013	20	155	218
Butyrophenones (-Alkylamino) and related substances	<i>N</i> -Methylbutylone hydrochloride 1-(3,4-Methylenedioxyphenyl)-2-(dimethylamino)butan-1-one	D1027	10	121	169
Butyrophenones ( $\alpha$ -Alkylamino) and related substances	3,4-Methylenedioxy- $\alpha$ -pyrrolidinobutyrophenone hydrochloride	D973	5	121	169
Butyrophenones ( $\alpha$ -Alkylamino) and related substances	4'-Methyl- $\alpha$ -pyrrolidinobutyrophenone hydrochloride (MPBP)	D974	5	121	169

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Butyrophenones ( $\alpha$ -Alkylamino) and related substances	$\alpha$ -Pyrrolidinobutyrophenone hydrochloride	D1012	20	155	218
Pentiophenones ( $\alpha$ -Alkylamino) and related substances	$\alpha$ -Dimethylaminopentiophenone hydrochloride	D1006	20	121	169
Pentiophenones ( $\alpha$ -Alkylamino) and related substances	$\alpha$ - Ethylaminopentiophenone hydrochloride	D1005	10	121	169
Pentiophenones ( $\alpha$ -Alkylamino) and related substances	$\alpha$ - Methylaminopentiophenone hydrochloride (in progress)	D1004			
Pentiophenones ( $\alpha$ -Alkylamino) and related substances	3,4-Methylenedioxypyrovalerone hydrochloride (MDPV)	D951b	20	121	169
Pentiophenones ( $\alpha$ -Alkylamino) and related substances	$\alpha$ -Naphyrone hydrochloride	D981	10	121	169
Pentiophenones ( $\alpha$ -Alkylamino) and related substances	Naphyrone hydrochloride	D975	5	121	169
Pentiophenones ( $\alpha$ -Alkylamino) and related substances	Pentylone hydrochloride 1-(3,4-Methylenedioxophenyl)-2-(methylamino)pentan-1-one	D992	20	121	169
Pentiophenones ( $\alpha$ -Alkylamino) and related substances	$\alpha$ -Pyrrolidinopentiophenone hydrochloride	D986b	5	121	169
Pentiophenones ( $\alpha$ -Alkylamino) and related substances	Pyrovalerone ( $\pm$ )-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

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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	d <sub>3</sub> -Codeine base	D673	1	155	218
Heroin and related compounds	Codeine glucuronide	D694	0.1 (ampoule)	155	218
Heroin and related compounds	d <sub>3</sub> -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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
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	d <sub>3</sub> -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	Acetylthebaol (exhausted)	D704	Exhausted		

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
profiling and surrogates					
Heroin manufacture profiling and surrogates	<i>O</i> <sup>6</sup> , <i>N</i> -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	<i>N</i> -Oxide morphine	D700	Exhausted		
Heroin manufacture profiling and surrogates	Papaveraldine	D743	20	188	264
Heroin manufacture profiling and surrogates	<i>N</i> -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	d <sub>9</sub> -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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Synthetic cannabinoids	AM2201 [1-(5-Fluoropentyl)-3-(1-naphthoyl)-indole]	D983	20	121	169
Synthetic cannabinoids	5-Fluoro-AKB48 [ <i>N</i> -(1-Adamantyl)-1-(5-fluoropentyl)-1 <i>H</i> -indazole-3-carboxamide]	D1020	10	121	169
Synthetic cannabinoids	5-Fluoro-PB-22 [1-(5-Fluoropentyl)-1 <i>H</i> -indole-3-carboxylic acid 8-quinolinyl ester]	D1023	10	121	169
Synthetic cannabinoids	JWH-018 [ <i>N</i> -Pentyl-3-(1-naphthoyl)indole]	D955	20	155	218
Synthetic cannabinoids	JWH-210 [ <i>N</i> -Pentyl-3-(4-ethyl-1-naphthoyl)indole]	D984	5	121	169
Synthetic cannabinoids	JWH-302 [2-(3-Methoxyphenyl)-1-(1-pentyl-1 <i>H</i> -indol-3-yl)-ethanone]	D1044	10	121	169
Synthetic cannabinoids	MDMB-CHMICA [Methyl 2-[[1-(cyclohexylmethyl)-1 <i>H</i> -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-tetramethylcyclopropyl)indole]	D1014	5	121	169
Synthetic cannabinoids	XLR-11 [1-(5-Fluoro-pentyl)-3-(2,2,3,3-tetramethylcyclopropyl)indole]	D1000	25	121	169
Miscellaneous	Benzyl piperazine dihydrochloride (BZP)	D905	50	121	169
Miscellaneous	<i>m</i> -Trifluoromethylphenylpiperazine hydrochloride	D906	50	121	169
Miscellaneous	<i>m</i> -Chlorophenylpiperazine hydrochloride	D907	50	121	169
Miscellaneous	Caffeine	M724c	50	155	218
Miscellaneous	Cannabidiol	D512c	25	121	169
Miscellaneous	CP 47,497 ( <i>rel</i> -5-(1,1-Dimethylheptyl)-2-[(1 <i>R</i> ,3 <i>S</i> )-3-hydroxy-cyclohexyl]phenol)	D1047	Exhausted		
Miscellaneous	<i>N,N</i> -Dimethyltryptamine	D674b	20	188	264
Miscellaneous	<i>N,N</i> -Diethyltryptamine	D675	20	188	264

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
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 ( <i>N</i> -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- $\alpha$ -methyltryptamine	D899	Exhausted		
Miscellaneous	5-Methoxy- $\alpha$ -methyltryptamine hydrochloride	D996	20	121	169
Miscellaneous	5-Methoxy- <i>N,N</i> -diallyltryptamine	D954	10	155	218
Miscellaneous	5-Methoxy- <i>N,N</i> -diisopropyltryptamine hydrochloride	D923b	10	121	169
Miscellaneous	5-Methoxy- <i>N</i> -methyl- <i>N</i> -isopropyltryptamine hydrochloride	D1034	10	121	169
Miscellaneous	5-Methoxy- <i>N,N</i> -dimethyltryptamine (5-MeO-DMT)	D999	Exhausted		
Miscellaneous	Norphenylephrine hydrochloride	M937b	50	121	169
Miscellaneous	$\alpha$ -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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
Miscellaneous	Sodium $\gamma$ -hydroxybutyrate (GHB)	D812b	50	121	169
Miscellaneous	Salbutamol	M898c	10	155	218
Miscellaneous	d <sub>3</sub> -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-17 $\beta$ -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

Category	Description	NMI reference	Unit of issue (mg)	Domestic Cost (A\$) (excl GST)	International Cost (A\$)
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)	International Cost (A\$)
<b>SUPPLIED WITH THE MANUFACTURER'S CERTIFICATE OF ANALYSIS</b>				
<b>(These materials have not been certified by NMI)</b>				
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

NMI reference materials available globally through our international partner:

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



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