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First published in the *Government Gazette*, Electronic Edition, on 30th April 2014 at 5.00 pm.

## No. S 322

### MISUSE OF DRUGS ACT (CHAPTER 185)

#### MISUSE OF DRUGS (AMENDMENT) REGULATIONS 2014

In exercise of the powers conferred by section 58 of the Misuse of Drugs Act, the Minister for Home Affairs hereby makes the following Regulations:

#### **Citation and commencement**

1. These Regulations may be cited as the Misuse of Drugs (Amendment) Regulations 2014 and shall come into operation on 1st May 2014.

#### **Amendment of Fourth Schedule**

2. The Fourth Schedule to the Misuse of Drugs Regulations (Rg 1) is amended —

(a) by deleting the item “N,  $\alpha$ -dimethyl-3,4-(methylenedioxy)phenethylamine” in paragraph 1 and substituting the following item:

“N, $\alpha$ -Dimethyl-3,4-(methylenedioxy)phenethylamine (also known as MDMA)”;

(b) by deleting the item “N-ethyl- $\alpha$ -methyl-3,4-(methylenedioxy)phenethylamine” in paragraph 1 and substituting the following item:

“N-Ethyl- $\alpha$ -methyl-3,4-(methylenedioxy)phenethylamine (also known as MDEA)”;

(c) by deleting the item “ $\alpha$ -Methyl-3,4-(methylenedioxy)phenethylamine (also known as Tenamfetamine)” in paragraph 1 and substituting the following item:

“ $\alpha$ -Methyl-3,4-(methylenedioxy)phenethylamine (also known as Tenamfetamine or MDA)”;

(d) by inserting, immediately after paragraph 6, the following paragraphs:

“7. Any compound containing a 3-(1-naphthoyl)indole structure with substitution at the nitrogen atom of the indole ring by an alkyl, haloalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-piperidiny)methyl or 2-(4-morpholinyl)ethyl group, and any derivatives of the above compounds containing hydroxy and/or carboxylic acid groups, whether or not further substituted in the indole ring to any extent and whether or not substituted in the naphthyl ring to any extent, including any salt or stereoisomeric form of the above compounds or derivatives, and any preparation or product containing the above compounds or derivatives, for example:

- (1) (1-Butyl-1H-indol-3-yl)(naphthalen-1-yl)methanone (also known as JWH-073)
- (2) (4-Chloronaphthalen-1-yl)(1-pentyl-1H-indol-3-yl)methanone (also known as JWH-398)
- (3) [1-(4-Chloropent-1-yl)-1H-indol-3-yl](naphthalen-1-yl)methanone (also known as 4-Chloro-AM-2201)
- (4) (4-Ethyl-naphthalen-1-yl)(1-pentyl-1H-indol-3-yl)methanone (also known as JWH-210)
- (5) [1-(5-Fluoropent-1-yl)-1H-indol-3-yl](4-methylnaphthalen-1-yl)methanone (also known as MAM-2201)
- (6) [1-(5-Fluoropent-1-yl)-1H-indol-3-yl](naphthalen-1-yl)methanone (also known as AM-2201)
- (7) [1-(4-Fluoropent-1-yl)-1H-indol-3-yl](naphthalen-1-yl)methanone (also known as 4-Fluoro-AM-2201)
- (8) [1-(5-Fluoropent-1-yl)-6-nitro-1H-indol-3-yl](naphthalen-1-yl)methanone (also known as AM-1235)
- (9) [1-(Heptan-2-yl)-2-methyl-1H-indol-3-yl](naphthalen-1-yl)methanone (also known as JWH-011)
- (10) (1-Heptyl-1H-indol-3-yl)(naphthalen-1-yl)methanone (also known as JWH-020)
- (11) (1-Hexyl-1H-indol-3-yl)(naphthalen-1-yl)methanone (also known as JWH-019)
- (12) (4-Methoxynaphthalen-1-yl)(1-pentyl-1H-indol-3-yl)methanone (also known as JWH-081)
- (13) (2-Methyl-1-propyl-1H-indol-3-yl)(naphthalen-1-yl)methanone (also known as JWH-015)
- (14) (4-Methylnaphthalen-1-yl)(1-pentyl-1H-indol-3-yl)methanone (also known as JWH-122)
- (15) {1-[(1-Methylpiperidin-2-yl)methyl]-1H-indol-3-yl}(naphthalen-1-yl)methanone (also known as AM-1220)

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- (16) {1-[2-(Morpholin-4-yl)ethyl]-1H-indol-3-yl}(naphthalen-1-yl)methanone (also known as JWH-200)
  - (17) Naphthalen-1-yl[1-(pent-4-en-1-yl)-1H-indol-3-yl]methanone (also known as JWH-022)
  - (18) Naphthalen-1-yl(1-pentyl-1H-indol-3-yl)methanone (also known as JWH-018)
  - (19) Naphthalen-1-yl(1-propyl-1H-indol-3-yl)methanone (also known as JWH-072)

8. Any compound containing a 3-(1-naphthylmethyl)indole structure with substitution at the nitrogen atom of the indole ring by an alkyl, haloalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-piperidiny)methyl or 2-(4-morpholinyl)ethyl group, and any derivatives of the above compounds containing hydroxy and/or carboxylic acid groups, whether or not further substituted in the indole ring to any extent and whether or not substituted in the naphthyl ring to any extent, including any salt or stereoisomeric form of the above compounds or derivatives, and any preparation or product containing the above compounds or derivatives, for example:

- (1) 3-[(4-Methylnaphthalen-1-yl)methyl]-1-pentyl-1H-indole (also known as JWH-184)
- (2) 3-(Naphthalen-1-ylmethyl)-1-pentyl-1H-indole (also known as JWH-175)

9. Any compound containing a 3-(1-naphthoyl)pyrrole structure with substitution at the nitrogen atom of the pyrrole ring by an alkyl, haloalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-piperidiny)methyl or 2-(4-morpholinyl)ethyl group, and any derivatives of the above compounds containing hydroxy and/or carboxylic acid groups, whether or not further substituted in the pyrrole ring to any extent and whether or not substituted in the naphthyl ring to any extent, including any salt or stereoisomeric form of the above compounds or derivatives, and any preparation or product containing the above compounds or derivatives, for example:

- (1) [5-(2-Chlorophenyl)-1-pentyl-1H-pyrrol-3-yl](naphthalen-1-yl)methanone (also known as JWH-369)
- (2) [5-(2-Fluorophenyl)-1-pentyl-1H-pyrrol-3-yl](naphthalen-1-yl)methanone (also known as JWH-307)
- (3) [5-(3-Fluorophenyl)-1-pentyl-1H-pyrrol-3-yl](naphthalen-1-yl)methanone (also known as JWH-368)
- (4) (1-Hexyl-5-phenyl-1H-pyrrol-3-yl)(naphthalen-1-yl)methanone (also known as JWH-147)
- (5) (1-Hexyl-1H-pyrrol-3-yl)(naphthalen-1-yl)methanone (also known as JWH-031)

- (6) [5-(2-Methylphenyl)-1-pentyl-1H-pyrrol-3-yl](naphthalen-1-yl)methanone (also known as JWH-370)
- (7) Naphthalen-1-yl[5-(naphthalen-1-yl)-1-pentyl-1H-pyrrol-3-yl]methanone (also known as JWH-309)
- (8) Naphthalen-1-yl(1-pentyl-5-phenyl-1H-pyrrol-3-yl)methanone (also known as JWH-145)
- (9) Naphthalen-1-yl(1-pentyl-1H-pyrrol-3-yl)methanone (also known as JWH-030)

10. Any compound containing a naphthylideneindene structure with substitution at the 3-position of the indene ring by an alkyl, haloalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-piperidinyl)methyl or 2-(4-morpholinyl)ethyl group, and any derivatives of the above compounds containing hydroxy and/or carboxylic acid groups, whether or not further substituted in the indene ring to any extent and whether or not substituted in the naphthyl ring to any extent, including any salt or stereoisomeric form of the above compounds or derivatives, and any preparation or product containing the above compounds or derivatives, for example:

- (1) E-1-[1-(1-Naphthalenylmethylene)-1H-inden-3-yl]pentane (also known as JWH-176)

11. Any compound containing a 3-phenylacetylindole structure with substitution at the nitrogen atom of the indole ring by an alkyl, haloalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-piperidinyl)methyl or 2-(4-morpholinyl)ethyl group, and any derivatives of the above compounds containing hydroxy and/or carboxylic acid groups, whether or not further substituted in the indole ring to any extent and whether or not substituted in the phenyl ring to any extent, including any salt or stereoisomeric form of the above compounds or derivatives, and any preparation or product containing the above compounds or derivatives, for example:

- (1) 2-(2-Chlorophenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone (also known as JWH-203)
- (2) 1-[1-(2-Cyclohexylethyl)-1H-indol-3-yl]-2-(2-methoxyphenyl)ethanone (also known as RCS-8)
- (3) 2-(2-Methoxyphenyl)-1-{1-[(1-methylpiperidin-2-yl)methyl]-1H-indol-3-yl}ethanone (also known as cannabipiperidiethanone)
- (4) 2-(2-Methoxyphenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone (also known as JWH-250)
- (5) 2-(3-Methoxyphenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone (also known as JWH-302)
- (6) 2-(4-Methoxyphenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone (also known as JWH-201)

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- (7) 2-(2-Methylphenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone  
(also known as JWH-251)

12. Any compound containing a 2-(3-hydroxycyclohexyl)phenol structure with substitution at the 5-position of the phenolic ring by an alkyl, haloalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-piperidiny)methyl or 2-(4-morpholinyl)ethyl group, and any derivatives of the above compounds containing hydroxy and/or carboxylic acid groups, whether or not substituted in the cyclohexyl ring to any extent, including any salt or stereoisomeric form of the above compounds or derivatives, and any preparation or product containing the above compounds or derivatives, for example:

- (1) 2-[5-Hydroxy-2-(3-hydroxypropyl)cyclohexyl]-5-(2-methyloctan-2-yl)phenol (also known as CP55,940)
- (2) 2-(3-Hydroxycyclohexyl)-5-(2-methyloctan-2-yl)phenol (also known as CP47,497)

13. Any compound containing a 3-(benzoyl)indole structure with substitution at the nitrogen atom of the indole ring by an alkyl, haloalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-piperidiny)methyl or 2-(4-morpholinyl)ethyl group, and any derivatives of the above compounds containing hydroxy and/or carboxylic acid groups, whether or not further substituted in the indole ring to any extent and whether or not substituted in the phenyl ring to any extent, including any salt or stereoisomeric form of the above compounds or derivatives, and any preparation or product containing the above compounds or derivatives, for example:

- (1) [1-(5-Fluoropentyl)-1H-indol-3-yl](2-iodophenyl)methanone (also known as AM-694)
- (2) (2-Iodo-5-nitrophenyl){1-[(1-methylpiperidin-2-yl)methyl]-1H-indol-3-yl}methanone (also known as AM-1241)
- (3) (2-Iodophenyl){1-[(1-methylpiperidin-2-yl)methyl]-1H-indol-3-yl}methanone (also known as AM-2233)
- (4) (2-Iodophenyl)(1-pentyl-1H-indol-3-yl)methanone (also known as AM-679)
- (5) (4-Methoxyphenyl){2-methyl-1-[2-(morpholin-4-yl)ethyl]-1H-indol-3-yl}methanone (also known as pravadoline)
- (6) (4-Methoxyphenyl)(1-pentyl-1H-indol-3-yl)methanone (also known as RCS-4)

14. Any compound containing a 3-(1-adamantoyl)indole structure with substitution at the nitrogen atom of the indole ring by an alkyl, haloalkyl, alkenyl, cycloalkylmethyl, cycloalkylethyl, 1-(N-methyl-2-piperidiny)methyl or 2-(4-morpholinyl)ethyl group, and any derivatives of the above compounds containing hydroxy and/or carboxylic acid groups, whether or not further substituted in the

indole ring to any extent and whether or not substituted in the adamantyl ring to any extent, including any salt or stereoisomeric form of the above compounds or derivatives, and any preparation or product containing the above compounds or derivatives, for example:

- (1) Adamantan-1-yl{1-[(1-methylpiperidin-2-yl)methyl]-1H-indol-3-yl}methanone (also known as AM-1248)
- (2) Adamantan-1-yl(1-pentyl-1H-indol-3-yl)methanone (also known as AB-001)

15. Any compound, other than bupropion, that is structurally derived from 2-amino-1-phenylpropan-1-one by modification in any of the following ways:

- (a) substitution in the phenyl ring to any extent with alkyl, alkoxy, alkylendioxy, haloalkyl, or halide substituents, whether or not further substituted in the phenyl ring by one or more other univalent substituents;
- (b) substitution at the 3-position with an alkyl substituent;
- (c) substitution at the nitrogen atom with alkyl or dialkyl, benzyl or methoxybenzyl groups, or by inclusion of the nitrogen atom in a cyclic structure,

including any salt or stereoisomeric form of the above compounds, and any preparation or product containing the above compounds, for example:

- (1) 1-(1,3-Benzodioxol-5-yl)-2-(dimethylamino)-1-propanone (also known as Bk-MDDMA)
- (2) 1-(1,3-Benzodioxol-5-yl)-2-(ethylamino)propan-1-one (also known as ethylone)
- (3) 1-(1,3-Benzodioxol-5-yl)-2-(methylamino)butan-1-one (also known as butylone)
- (4) 1-(1,3-Benzodioxol-5-yl)-2-(methylamino)pentan-1-one (also known as pentylone)
- (5) 1-(1,3-Benzodioxol-5-yl)-2-(methylamino)propan-1-one (also known as methylone or 3,4-methylenedioxy-N-methylcathinone)
- (6) 1-(1,3-Benzodioxol-5-yl)-2-(pyrrolidin-1-yl)butan-1-one (also known as MDPBP)
- (7) 1-(1,3-Benzodioxol-5-yl)-2-(pyrrolidin-1-yl)pentan-1-one (also known as 3,4-methylenedioxypropylone or MDPV)
- (8) 1-(1,3-Benzodioxol-5-yl)-2-(pyrrolidin-1-yl)propan-1-one (also known as MDPPP)
- (9) 2-(Dimethylamino)-1-phenylpropan-1-one (also known as metamfepramone or dimethylcathinone)

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- (10) 1-(Dimethylphenyl)-2-(methylamino)propan-1-one (also known as dimethylmethcathinone)
  - (11) 2-(Ethylamino)-1-(methylphenyl)propan-1-one (also known as methylethcathinone)
  - (12) 2-(Ethylamino)-1-phenylbutan-1-one (also known as N-ethylbuphedrone)
  - (13) 2-(Ethylamino)-1-phenylpentan-1-one (also known as  $\alpha$ -Ethylaminopentiophenone)
  - (14) 2-(Ethylamino)-1-phenylpropan-1-one (also known as ethcathinone)
  - (15) 1-(Fluorophenyl)-2-(methylamino)propan-1-one (also known as fluoromethcathinone)
  - (16) 1-(Methoxyphenyl)-2-(methylamino)propan-1-one (also known as methoxymethcathinone)
  - (17) 1-(4-Methoxyphenyl)-2-(pyrrolidin-1-yl)propan-1-one (also known as MOPPP)
  - (18) 2-(Methylamino)-1-phenylbutan-1-one (also known as buphedrone)
  - (19) 2-(Methylamino)-1-phenylpentan-1-one (also known as pentedrone)
  - (20) 2-(Methylamino)-1-phenylpropan-1-one (also known as methcathinone)
  - (21) 1-(Methylphenyl)-2-(methylamino)propan-1-one (also known as methylmethcathinone)
  - (22) 1-(4-Methylphenyl)-2-(pyrrolidin-1-yl)butan-1-one (also known as MPBP)
  - (23) 1-(4-Methylphenyl)-2-(pyrrolidin-1-yl)pentan-1-one (also known as pyrovalerone)
  - (24) 1-Phenyl-2-(pyrrolidin-1-yl)butan-1-one (also known as  $\alpha$ -PBP)
  - (25) 1-Phenyl-2-(pyrrolidin-1-yl)pentan-1-one (also known as  $\alpha$ -PVP)
  - (26) 1-Phenyl-2-(pyrrolidin-1-yl)propan-1-one (also known as  $\alpha$ -PPP)

16. Any compound that is structurally derived from 2-aminopropan-1-one by substitution at the 1-position with any monocyclic, or fused-polycyclic ring system (not being a phenyl ring or alkylendioxyphenyl ring system), whether or not the compound is further modified in any of the following ways:

- (a) substitution in the ring system to any extent with alkyl, alkoxy, haloalkyl, or halide substituents, whether or not further substituted in the ring system by one or more other univalent substituents;

- (b) substitution at the 3-position with an alkyl substituent;
- (c) substitution at the 2-amino nitrogen atom with alkyl or dialkyl groups, or by inclusion of the 2-amino nitrogen atom in a cyclic structure,

including any salt or stereoisomeric form of the above compounds, and any preparation or product containing the above compounds, for example:

- (1) 1-(Naphthalen-2-yl)-2-(pyrrolidin-1-yl)pentan-1-one (also known as naphyrone or naphthylpyrovalerone)
- (2) 2-(Pyrrolidin-1-yl)-1-(thiophen-2-yl)pentan-1-one (also known as  $\alpha$ -Pyrrolidinopentiothiophenone or  $\alpha$ -PVT)

17. The following compounds, including any salt or stereoisomeric form of such compounds, and any preparation or product containing such compounds:

- (1) N-(1-Adamantyl)-1-pentyl-1H-indazole-3-carboxamide (also known as APINACA)
- (2) N-(1-Adamantyl)-1-pentyl-1H-indole-3-carboxamide (also known as APICA)
- (3) 5-(2-Aminopropyl)benzofuran (also known as 5-APB)
- (4) 6-(2-Aminopropyl)benzofuran (also known as 6-APB or BenzoFury)
- (5) 5-(2-Aminopropyl)-2,3-dihydrobenzofuran (also known as 5-APDB)
- (6) 6-(2-Aminopropyl)-2,3-dihydrobenzofuran (also known as 6-APDB)
- (7) 17-Carboxy-16,17-dihydromitragynine
- (8) 16-Carboxymitragynine
- (9) 17-O-Desmethyl-16,17-dihydromitragynine
- (10) 9-O-Desmethylmitragynine
- (11) 2,3-Dihydro-1H-inden-2-amine (also known as 2-Aminoindane)
- (12) 6,7-Dihydro-5H-indeno[5,6-d][1,3]dioxol-6-amine (also known as 5,6-(methylenedioxy)-2-aminoindane or MDAI)
- (13) 2,3-Dihydro-5-iodo-1H-inden-2-amine (also known as 5-Iodo-2-aminoindane or 5-IAI)
- (14) [2,3-Dihydro-5-methyl-3-(morpholin-4-ylmethyl)pyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl](naphthalen-1-yl)methanone
- (15) {4-[2,6-Dimethoxy-4-(2-methyloctan-2-yl)phenyl]-6,6-dimethyl-bicyclo[3.1.1]hept-2-en-2-yl}methanol
- (16) 6,6-Dimethyl-3-(2-methyloctan-2-yl)-6a,7,8,9,10,10a-hexahydro-6H-benzo[c]chromen-1,9-diol



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- (17) N,N-Dimethyl-1-phenylpropan-2-amine (also known as N,N-dimethylamphetamine)
  - (18) Diphenyl(pyrrolidin-2-yl)methanol (also known as diphenylprolinol)
  - (19) 2-Diphenylmethylpiperidine (also known as desoxypipradrol)
  - (20) [1-(5-Fluoropent-1-yl)-1H-indol-3-yl](2,2,3,3-tetramethylcyclopropyl)methanone (also known as XLR-11 or 5-fluoro UR-144)
  - (21) 1-(Fluorophenyl)piperazine
  - (22) 1-(Fluorophenyl)propan-2-amine
  - (23) 1-Hydroxy-6,6-dimethyl-3-(2-methyloctan-2-yl)-6,6a,7,8,10,10a-hexahydro-9H-benzo[c]chromen-9-one
  - (24) [9-Hydroxy-6-methyl-3-(5-phenylpentan-2-yl)oxy-5,6,6a,7,8,9,10,10a-octahydrophenanthridin-1-yl]acetate
  - (25) 3-Hydroxy-2-[3-methyl-6-(2-propenyl)-cyclohex-2-en-1-yl]-5-pentyl-1,4-benzoquinone
  - (26) 9-(Hydroxymethyl)-6,6-dimethyl-3-(2-methyloctan-2-yl)-6a,7,10,10a-tetrahydro-6H-benzo[c]chromen-1-ol
  - (27) 7-Hydroxymitragynine
  - (28) 2-(3-Methoxyphenyl)-2-(N-ethylamino)cyclohexanone (also known as methoxetamine)
  - (29) N-Methyl-1-(fluorophenyl)propan-2-amine
  - (30) N-Methyl-1-(methoxyphenyl)propan-2-amine
  - (31) N-Methyl-1-(methylphenyl)propan-2-amine
  - (32) (N-Methyl-4-phenylpiperidin-4-yl)propanoate (also known as desmethylprodine)
  - (33) N-Methyl-1-(thiophen-2-yl)propan-2-amine (also known as methiopropamine)
  - (34) 1-(4-Methylbenzo-1,3-dioxol-6-yl)propan-2-amine (also known as 5-methyl-MDA or 5-methyl-3,4-methylenedioxyamphetamine)
  - (35) Mitragynine
  - (36) Naphthalen-1-yl(4-pentyloxynaphthalen-1-yl)methanone (also known as CB-13)
  - (37) 5-[3-(1-Naphthoyl)-1H-indol-1-yl]pentanenitrile (also known as AM-2232)
  - (38) (1-Pentyl-1H-indol-3-yl)(2,2,3,3-tetramethylcyclopropyl)methanone (also known as UR-144)
  - (39) Salvinorin A”.

*[G.N. Nos. S 390/99; S 231/2000; S 436/2000; S 140/2001; S 492/2001; S 506/2005; S 490/2006; S 108/2007; S 525/2010; S 684/2010; S 270/2013]*

Made this 29th day of April 2014.

TAN TEE HOW  
*Permanent Secretary,  
Ministry of Home Affairs,  
Singapore.*

[MHA 112/2/0049; AG/LLRD/SL/185/2010/2 Vol. 1]