FOURTH SCHEDULE

Regulations 8A, 9, 14, 15 and 28

CONTROLLED DRUGS SUBJECT TO REQUIREMENTS OF REGULATIONS 10, 11, 12, 13, 14, 15 AND 28

1. The following substances and products, namely:

(1) 1-Benzylpiperazine (also known as BZP)

(2) 1-(4-Bromo-2,5-dimethoxyphenyl)propan-2-amine (also known as 4-Bromo-2,5-dimethoxy-α-methylphenethylamine, 4-Bromo-2,5-dimethoxyamphetamine, Brolamfetamine or DOB) and its bromo and dimethoxy positional isomers in the phenyl ring

[S 350/2020 wef 01/05/2020]

(3) 2-(4-Bromo-2,5-dimethoxyphenyl)ethanamine (also known as 4-bromo-2,5-dimethoxyphenethylamine or 2C-B) and its bromo and dimethoxy positional isomers in the phenyl ring

[S 193/2017 wef 01/05/2017]

(4) [*Deleted by S 199/2016 wef 01/05/2016*]

(5) Cannabinol

(6) Cannabinol derivatives as defined in Part 4 of the First Schedule to the Act

[S 454/2023 wef 01/07/2023]

(7) Cannabis and cannabis resin

(8) Cathinone

(9) Coca leaf

(10) Concentrate of poppy-straw

(11) N,N-Diethyl-3-hydroxy-7-methyl-2-oxo-4,6,6a,7,8,9-hexahydroindolo-[4,3-*fg*]quinoline-9-carboxamide (also known as 2-Oxo-3-hydroxy-LSD) and its acyclic secondary and tertiary amide structural isomers

[S 791/2019 wef 01/12/2019]

(12) 1-(2,5-Dimethoxy-4-methylphenyl)propan-2-amine (also known as 2,5-Dimethoxy-4,α-dimethylphenethylamine, 2-Amino-1-(2,5-dimethoxy-4-methyl)phenylpropane or DOM) and its methyl and dimethoxy positional isomers in the phenyl ring

[S 350/2020 wef 01/05/2020]

(13) 2,5-Dimethoxy-α-methylphenethylamine (also known as 2,5-Dimethoxyamphetamine or DMA) and its dimethoxy positional isomers in the phenyl ring

[S 791/2019 wef 01/12/2019]

(14) N,α-Dimethyl-3,4-(methylenedioxy)phenethylamine (also known as 3,4-Methylenedioxymethamphetamine or MDMA) and its acyloxy or sulphonyl derivatives at the nitrogen atom, and the following example of such a derivative:

(*a*) tert-Butyl N-[1-(1,3-benzodioxol-5-yl)propan-2-yl]-N-methylcarbamate (also known as N-tert-Butoxycarbonyl-MDMA or t-Boc-MDMA)

[S 750/2020 wef 04/09/2020]

(15) 3-(1,2-Dimethylhepty1)-1-hydroxy-7,8,9,10-tetrahydro-6,6,9-trimethyl-6H-dibenzo[b,d]pyran (also known as DMHP)

[S 791/2019 wef 01/12/2019]

(16) [*Deleted by S 199/2016 wef 01/05/2016*]

(17) 4-Ethyl-2,5-dimethoxy-α-methylphenethylamine (also known as DOET)

[S 791/2019 wef 01/12/2019]

(18) N-Ethyl-α-methyl-3,4-(methylenedioxy)phenethylamine (also known as MDEA)

(19) Eticyclidine

(20) [*Deleted by S 199/2016 wef 01/05/2016*]

(21) 1-Hydroxy-3-pentyl-6a,7,10,10a-tetrahydro-6,6,9-trimethyl-6-H-dibenzo[b,d]pyran

(22) Lysergamide

(23) Lysergide and other compounds structurally derived from lysergamide by substitution of any of the hydrogen atoms, and the following examples of such a compound:

(*a*) 1-Acetyl-N,N-diethyllysergamide (also known as N-acetyl-LSD or ALD-52)

(*b*) 6-Allyl-6-nor-lysergic acid diethylamide (also known as N-allyl-nor-LSD or AL-LAD)

(*c*) 6-Ethyl-6-nor-lysergic acid diethylamide (also known as ETH-LAD)

(*d*) 6-Propyl-6-nor-lysergic acid diethylamide (also known as PRO-LAD)

(*e*) Lysergic acid 2,4-dimethylazetidide (also known as LSZ)

(*f*) 1-Propionyl-N,N-diethyllysergamide (also known as 1-Propionyl-LSD or 1P-LSD)

(*g*) 1-Butanoyl-N,N-diethyllysergamide (also known as 1-Butanoyl-LSD or 1B-LSD)

(*h*) 1-Cyclopropionyl-N,N-diethyllysergamide (also known as 1-Cyclopropionyl-LSD or 1cP-LSD)

[S 283/2021 wef 01/05/2021]
[S 750/2020 wef 04/09/2020]

(24) Mescaline

(25) 3-Methoxy-α-methyl-4,5-(methylenedioxy)phenethylamine (also known as 5-methoxy-MDA or MMDA)

[S 791/2019 wef 01/12/2019]

(26) p-Methoxy-α-methylphenethylamine (also known as 4-methoxyamphetamine or para-methoxyamphetamine) and its methoxy positional isomers in the phenyl ring

[S 193/2017 wef 01/05/2017]

(27) N-Methyl-α-ethyl-3,4-(methylenedioxy)phenethylamine (also known as MBDB)

(28) N-[α-Methyl-3,4-(methylenedioxy)phenethyl]hydroxylamine (also known as N-Hydroxy MDA)

[S 791/2019 wef 01/12/2019]

(29) α-Methyl-3,4-(methylenedioxy)phenethylamine (also known as Tenamfetamine or MDA)

(30) 4-Methylaminorex

(31) 4-Phenyl-N-(2-phenylethyl)piperidin-4-yl acetate (also known as 1-Phenethyl-4-phenyl-4-piperidinol acetate or PEPAP)

[S 353/2019 wef 01/05/2019]

(32) Psilocybine

(33) Rolicyclidine

(34) Tenocyclidine

(35) 1-(3-Trifluoromethylphenyl)piperazine (also known as TFMPP)

(36) [*Deleted by S 283/2021 wef 01/05/2021*]

2. Opium, not being medicinal opium or a preparation falling within paragraph 3 or 8 of the First Schedule.

3. Any stereoisomeric form of a substance specified in paragraph 1.

4. Any ester or ether of a substance specified in paragraph 1 or 3.

5. Any salt of a substance specified in paragraph 1, 3 or 4.

6. Any preparation or other product containing a substance or product specified in paragraph 1, 3, 4 or 5, not being a preparation specified in the First Schedule.

7. [*Deleted by S 750/2020 wef 04/09/2020*]

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-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 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)

[S 322/2014 wef 01/05/2014]

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-

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 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)

[S 322/2014 wef 01/05/2014]

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)

[S 322/2014 wef 01/05/2014]

11. [*Deleted by S 750/2020 wef 04/09/2020*]

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-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 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)

[S 322/2014 wef 01/05/2014]

13. [*Deleted by S 750/2020 wef 04/09/2020*]

14. [*Deleted by S 750/2020 wef 04/09/2020*]

15. Any compound, other than bupropion and 2-(Diethylamino)-1-phenyl-1-propanone (also known as amfepramone or diethylpropion or diethylcathinone), 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, alkylenedioxy, 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, cycloalkyl or dialkyl, benzyl or methoxybenzyl groups, or by inclusion of the nitrogen atom in a cyclic structure,

[S 454/2023 wef 01/07/2023]

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-(benzylamino)propan-1-one (also known as 3,4-Methylenedioxy-N-benzylcathinone or BMDP)

[S 193/2017 wef 01/05/2017]

(1AAA) 1-(1,3-Benzodioxol-5-yl)-2-(cyclohexylamino)propan-1-one (also known as 3,4-methylenedioxy-N-cyclohexylcathinone or 3,4-methylenedioxy-α-cyclohexylaminopropiophenone or N-cyclohexylmethylone or Cyputylone)

[S 454/2023 wef 01/07/2023]

(1AA) 1-(1,3-Benzodioxol-5-yl)-2-(dimethylamino)-1-butanone (also known as Dibutylone or bk-DMBDB)

[S 234/2018 wef 01/05/2018]

(1A) 1-(1,3-Benzodioxol-5-yl)-2-(dimethylamino)-1-propanone (also known as bk-MDDMA)

[S 193/2017 wef 01/05/2017]

(1ABA) 1-(1,3-Benzodioxol-5-yl)-2-(dimethylamino)pentan-1-one (also known as N,N-dimethylpentylone, dipentylone or bk-DMBDP)

[S 454/2023 wef 01/07/2023]

(1AB) 1-(1,3-Benzodioxol-5-yl)-2-(ethylamino)-1-butanone (also known as Eutylone)

[S 234/2018 wef 01/05/2018]

(1AC) 1-(1,3-Benzodioxol-5-yl)-2-(ethylamino)pentan-1-one (also known as 1-(2H-1,3-Benzodioxol-5-yl)-2-(ethylamino)pentan-1-one) or N-Ethylpentylone or N-Ethylnorpentylone or Ephylone)

[S 234/2018 wef 01/05/2018]
[S 353/2019 wef 01/05/2019]

(1B) 1-(1,3-Benzodioxol-5-yl)-2-(ethylamino)propan-1-one (also known as ethylone or 3,4-Methylenedioxy-N-ethylcathinone or bk-MDEA or MDEC)

[S 193/2017 wef 01/05/2017]

(2) [*Deleted by S 439/2022 wef 01/06/2022*]

(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)

(6A) 1-(1,3-Benzodioxol-5-yl)-2-(pyrrolidin-1-yl)hexan-1-one (also known as 3,4-Methylenedioxy-α-pyrrolidinohexanophenone or 3,4-MDPHP)

[S 439/2022 wef 01/06/2022]

(7) 1-(1,3-Benzodioxol-5-yl)-2-(pyrrolidin-1-yl)pentan-1-one (also known as 3,4-methylenedioxypyrovalerone or MDPV)

(8) 1-(1,3-Benzodioxol-5-yl)-2-(pyrrolidin-1-yl)propan-1-one (also known as MDPPP)

(8A) 2-(Benzylamino)-1-(4-methylphenyl)propan-1-one (also known as Benzedrone);

[S 193/2017 wef 01/05/2017]

(8AAA) 1-(4-Bromophenyl)-2-(ethylamino)propan-1-one (also known as 4-Bromoethcathinone or 4-BEC)

[S 234/2018 wef 01/05/2018]

(8AA) 1-(4-Bromophenyl)-2-(methylamino)propan-1-one (also known as 4-Bromomethcathinone or Brephedrone or 4-BMC)

[S 193/2017 wef 01/05/2017]

(8AAAA) 2-(Butylamino)-1-phenylhexan-1-one (also known as N-Butylhexedrone or α-Butylaminohexanophenone)

[S 439/2022 wef 01/06/2022]

(8AAB) 1-(4-Chlorophenyl)-2-(dimethylamino)propan-1-one (also known as 4-Chloro-N,N-dimethylcathinone)

[S 791/2019 wef 01/12/2019]

(8AB) 1-(4-Chlorophenyl)-2-(ethylamino)propan-1-one (also known as 4-Chloroethcathinone or 4-CEC)

[S 234/2018 wef 01/05/2018]

(8AC) 1-(3-Chlorophenyl)-2-(methylamino)propan-1-one (also known as 3-chloromethcathinone or 3-CMC)

[S 430/2024 wef 01/06/2024]

(8B) 1-(4-Chlorophenyl)-2-(methylamino)propan-1-one (also known as 4-Chloromethcathinone or Clephedrone or 4-CMC)

[S 253/2015 wef 01/05/2015]

(9) 2-(Dimethylamino)-1-phenylpropan-1-one (also known as metamfepramone or dimethylcathinone)

(10) 1-(3,4-Dimethylphenyl)-2-(methylamino)propan-1-one (also known as 3,4-Dimethylmethcathinone or 3,4-DMMC)

[S 253/2015 wef 01/05/2015]

(10A) 2-(Ethylamino)-1-(4-ethylphenyl)propan-1-one (also known as 4-Ethylethcathinone)

[S 193/2017 wef 01/05/2017]

(10B) 2-(Ethylamino)-1-(4-fluorophenyl)propan-1-one (also known as 4-Fluoroethcathinone or 4-FEC)

[S 193/2017 wef 01/05/2017]

(10C) 2-(Ethylamino)-1-(4-methylphenyl)pentan-1-one (also known as 4-Methyl-α-ethylaminopentiophenone or 4-MEAPP)

[S 234/2018 wef 01/05/2018]

(11) 2-(Ethylamino)-1-(4-methylphenyl)propan-1-one (also known as 4-Methylethcathinone or 4-MEC)

[S 253/2015 wef 01/05/2015]

(12) 2-(Ethylamino)-1-phenylbutan-1-one (also known as N-ethylbuphedrone)

(12A) 2-(Ethylamino)-1-phenylhexan-1-one (also known as N-Ethylhexedrone or Ethyl-hexedrone)

[S 350/2020 wef 01/05/2020]

(13) 2-(Ethylamino)-1-phenylpentan-1-one (also known as α-Ethylaminopentiophenone or N-Ethylpentedrone)

[S 791/2019 wef 01/12/2019]

(14) 2-(Ethylamino)-1-phenylpropan-1-one (also known as ethcathinone)

(14A) 1-(4-Ethylphenyl)-2-(methylamino)propan-1-one (also known as 4-Ethylmethcathinone or 4-EMC)

[S 253/2015 wef 01/05/2015]

(14B) 1-(4-Fluoro-3-methylphenyl)-2-(pyrrolidin-1-yl)pentan-1-one (also known as 4-Fluoro-3-methyl-α-pyrrolidinopentiophenone or 4-Fluoro-3-methyl-α-PVP)

[S 283/2021 wef 01/05/2021]

(15) 1-(4-Fluorophenyl)-2-(methylamino)propan-1-one (also known as 4-Fluoromethcathinone or Flephedrone or 4-FMC)

[S 253/2015 wef 01/05/2015]

(15AA) 1-(4-Fluorophenyl)-2-(pyrrolidin-1-yl)hexan-1-one (also known as 4-Fluoro-PHP)

[S 234/2018 wef 01/05/2018]

(15A) 1-(4-Fluorophenyl)-2-(pyrrolidin-1-yl)pentan-1-one (also known as 4-Fluoro-α-PVP)

[S 253/2015 wef 01/05/2015]

(16) 1-(4-Methoxyphenyl)-2-(methylamino)propan-1-one (also known as 4-Methoxymethcathinone or Methedrone or bk-PMMA or PMMC)

[S 253/2015 wef 01/05/2015]

(17) 1-(4-Methoxyphenyl)-2-(pyrrolidin-1-yl)propan-1-one (also known as MOPPP)

(17A) 2-(Methylamino)-1-(4-methylphenyl)butan-1-one (also known as 4-Methylbuphedrone or 4-Me-MABP)

[S 193/2017 wef 01/05/2017]

(18) 2-(Methylamino)-1-phenylbutan-1-one (also known as buphedrone)

(19) 2-(Methylamino)-1-phenylpentan-1-one (also known as pentedrone or α-Methylaminovalerophenone)

[S 193/2017 wef 01/05/2017]

(20) 2-(Methylamino)-1-phenylpropan-1-one (also known as methcathinone)

(20A) 4-Methyl-1-phenyl-2-(pyrrolidin-1-yl)pentan-1-one (also known as α-PiHP or α-pyrrolidinoisohexanophenone)

[S 454/2023 wef 01/07/2023]

(21) 1-(4-Methylphenyl)-2-(methylamino)propan-1-one (also known as 4-Methylmethcathinone or Mephedrone or 4-MMC)

[S 253/2015 wef 01/05/2015]

(21A) 1-(3-Methylphenyl)-2-(methylamino)propan-1-one (also known as 3-methylmethcathinone, metaphedrone or 3-MMC)

[S 454/2023 wef 01/07/2023]

(22) 1-(4-Methylphenyl)-2-(pyrrolidin-1-yl)butan-1-one (also known as MPBP)

(22A) 1-(4-Methylphenyl)-2-(pyrrolidin-1-yl)hexan-1-one (also known as 4-Methyl-α-pyrrolidinohexanophenone or MPHP)

[S 193/2017 wef 01/05/2017]

(23) 1-(4-Methylphenyl)-2-(pyrrolidin-1-yl)pentan-1-one (also known as pyrovalerone)

(23A) 1-(4-Methylphenyl)-2-(pyrrolidin-1-yl)propan-1-one (also known as 4-Methyl-α-pyrrolidinopropiophenone or 4-MePPP)

[S 193/2017 wef 01/05/2017]

(24) 1-Phenyl-2-(pyrrolidin-1-yl)butan-1-one (also known as α-PBP)

(24A) 1-Phenyl-2-(pyrrolidin-1-yl)hexan-1-one (also known as Alpha-Pyrrolidinohexiophenone or Alpha-PHP or α-PHP)

[S 350/2020 wef 01/05/2020]

(25) 1-Phenyl-2-(pyrrolidin-1-yl)pentan-1-one (also known as α-PVP)

(26) 1-Phenyl-2-(pyrrolidin-1-yl)propan-1-one (also known as α-PPP)

[S 322/2014 wef 01/05/2014]
[S 193/2017 wef 01/05/2017]

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 alkylenedioxyphenyl 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, cycloalkyl or dialkyl groups, or by inclusion of the 2-amino nitrogen atom in a cyclic structure,

[S 454/2023 wef 01/07/2023]

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 α-Pyrrolidinopentiothiophenone or α-PVT)

[S 322/2014 wef 01/05/2014]

17. The following compounds, including any salt or stereoisomeric form of such compounds, and any

preparation or product containing such compounds:

(1) [*Deleted by S 750/2020 wef 04/09/2020*]

(1AAA) [*Deleted by S 791/2019 wef 01/12/2019*]

(1A) [*Deleted by S 750/2020 wef 04/09/2020*]

(1AA) [*Deleted by S 750/2020 wef 04/09/2020*]

(1AB) [*Deleted by S 750/2020 wef 04/09/2020*]

(1AC) [*Deleted by S 750/2020 wef 04/09/2020*]

(1AD) [*Deleted by S 750/2020 wef 04/09/2020*]

(1AE) [*Deleted by S 750/2020 wef 04/09/2020*]

(1AF) [*Deleted by S 750/2020 wef 04/09/2020*]

(1AG) [*Deleted by S 750/2020 wef 04/09/2020*]

(1B) [*Deleted by S 750/2020 wef 04/09/2020*]

(2) [*Deleted by S 750/2020 wef 04/09/2020*]

(2AAA) [*Deleted by S 750/2020 wef 04/09/2020*]

(2A) 2-Amino-1-(4-bromo-2,5-dimethoxyphenyl)ethan-1-one (also known as bk-2C-B) and its bromo and dimethoxy positional isomers in the phenyl ring

[S 199/2016 wef 01/05/2016]

(2AA) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1H-indazole-3-carboxamide (also known as ADB-INACA or ADMB-INACA) and its N-(1-amino-1-oxohexan-2-yl) isomers

[S 430/2024 wef 01/06/2024]

(2B) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-5-bromo-1H-indazole-3-carboxamide (also known as ADB-5-Bromo-INACA) and its N-(1-amino-1-oxohexan-2-yl) isomers and their respective bromo positional isomers in the 6-membered ring of the indazole structure

[S 439/2022 wef 01/06/2022]
[S 454/2023 wef 01/07/2023]

(2AAB) [*Deleted by S 750/2020 wef 04/09/2020*]

(2AB) [*Deleted by S 750/2020 wef 04/09/2020*]

(2BA) [*Deleted by S 750/2020 wef 04/09/2020*]

(2C) [*Deleted by S 750/2020 wef 04/09/2020*]

(2CA) [*Deleted by S 750/2020 wef 04/09/2020*]

(2CB) [*Deleted by S 750/2020 wef 04/09/2020*]

(2D) [*Deleted by S 750/2020 wef 04/09/2020*]

(2DA) [*Deleted by S 750/2020 wef 04/09/2020*]

(2DB) [*Deleted by S 750/2020 wef 04/09/2020*]

(2E) [*Deleted by S 750/2020 wef 04/09/2020*]

(2F) [*Deleted by S 750/2020 wef 04/09/2020*]

(2G) [*Deleted by S 750/2020 wef 04/09/2020*]

(2GA) [*Deleted by S 750/2020 wef 04/09/2020*]

(2H) [*Deleted by S 750/2020 wef 04/09/2020*]

(2I) [*Deleted by S 750/2020 wef 04/09/2020*]

(2IA) [*Deleted by S 750/2020 wef 04/09/2020*]

(2J) [*Deleted by S 750/2020 wef 04/09/2020*]

(2K) [*Deleted by S 750/2020 wef 04/09/2020*]

(2L) 4-(2-Aminopropyl)benzofuran (also known as 4-APB)

[S 199/2016 wef 01/05/2016]

(3) 5-(2-Aminopropyl)benzofuran (also known as 5-APB)

(4) 6-(2-Aminopropyl)benzofuran (also known as 6-APB or BenzoFury)

(4A) 7-(2-Aminopropyl)benzofuran (also known as 7-APB)

[S 253/2015 wef 01/05/2015]

(4B) 4-(2-Aminopropyl)-2,3-dihydrobenzofuran (also known as 4-APDB)

[S 253/2015 wef 01/05/2015]

(5) 5-(2-Aminopropyl)-2,3-dihydrobenzofuran (also known as 5-APDB)

(6) 6-(2-Aminopropyl)-2,3-dihydrobenzofuran (also known as 6-APDB)

(6A) 7-(2-Aminopropyl)-2,3-dihydrobenzofuran (also known as 7-APDB)

[S 253/2015 wef 01/05/2015]

(6AA) 1-(1-Benzofuran-5-yl)-N-ethylpropan-2-amine (also known as 5-EAPB) and its 4-yl, 6-yl and 7-yl isomers

[S 199/2016 wef 01/05/2016]

(6B) 1-Benzyl-4-methylpiperazine (also known as Methylbenzylpiperazine or MBZP)

[S 234/2018 wef 01/05/2018]

(6C) 2-Bis(4-fluorophenyl)methylsulfinyl-N-methylacetamide (also known as N-Methyl-4,4-difluoromodafinil or modafiendz) and its fluoro positional isomers in the phenyl rings

[S 234/2018 wef 01/05/2018]

(6D) 2-(4-Bromo-2,5-dimethoxyphenyl)-N-(2-methoxybenzyl)ethanamine (also known as 25B-NBOMe) and its bromo, dimethoxy and methoxy positional isomers in the respective phenyl rings

[S 234/2018 wef 01/05/2018]

(6E) 2-N-[2-(4-Bromo-2,5-dimethoxyphenylethyl)aminomethyl]phenol (also known as 25B-NBOH) and its bromo, dimethoxy and hydroxy positional isomers in the respective phenyl rings

[S 234/2018 wef 01/05/2018]

(6F) 4-Bromo-N-[2-(dimethylamino)cyclohexyl]-benzamide (also known as Bromadoline or U-47931E) and its bromo positional isomers in the phenyl ring and diamino positional isomers in the cyclohexyl ring

[S 283/2021 wef 01/05/2021]

(6G) 4-Bromo-N-[2-(dimethylamino)cyclohexyl]-N-methyl-benzamide (also known as N-Methyl U-47931E or N-Methyl Bromadoline) and its bromo positional isomers in the phenyl ring and diamino positional isomers in the cyclohexyl ring

[S 283/2021 wef 01/05/2021]

(6H) 1-(1-(1-(4-Bromophenyl)ethyl)-piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one (also known as Brorphine) and its bromo positional isomers in the phenyl ring

[S 430/2024 wef 01/06/2024]

(6I) 2-(2-(4-Butoxybenzyl)-5-nitro-1H-benzo[d]imidazol-1-yl)-N,N-diethylethan-1-amine (also known as butonitazene or butoxynitazene) and its diethylamino and butoxy structural isomers and their respective butoxy positional isomers in the phenyl ring and nitro positional isomers in the 6-membered ring of the benzimidazole structure

[S 454/2023 wef 01/07/2023]

(7) 17-Carboxy-16,17-dihydromitragynine

(8) 16-Carboxymitragynine

(8A) 2-(4-Chloro-2,5-dimethoxyphenyl)ethanamine (also known as 2C-C) and its chloro and dimethoxy positional isomers in the phenyl ring

[S 234/2018 wef 01/05/2018]

(8AAA) 1-(4-Chloro-2,5-dimethoxyphenyl)propan-2-amine (also known as 4-Chloro-2,5-dimethoxy-α-methylphenethylamine, 4-Chloro-2,5-dimethoxyamphetamine, DOC, 3C-C, 4-Cl-2,5-DMA or 4-Chloro-2,5-DMA) and its chloro and dimethoxy positional isomers in the phenyl ring

[S 350/2020 wef 01/05/2020]

(8AA) 2-(4-Chloro-2,5-dimethoxyphenyl)-N-(2-methoxybenzyl)ethanamine (also known as 25C-NBOMe) and its chloro, dimethoxy and methoxy positional isomers in the respective phenyl rings

[S 234/2018 wef 01/05/2018]

(8AB) 2-N-[2-(4-Chloro-2,5-dimethoxyphenylethyl)aminomethyl]phenol (also known as 25C-NBOH) and its chloro, dimethoxy and hydroxy positional isomers in the respective phenyl rings

[S 234/2018 wef 01/05/2018]

(8AC) 5-(Cyclobutylmethyl)-2-(2-phenylpropan-2-yl)-pyrido[4,3-b]indol-1-one (also known as Cumyl-CB-MeGACLONE, Cumyl-CBMGACLONE, cumyl-cyclobutylmethyl-gammacarbolinone or SGT-273) and its phenylpropyl isomers

[S 454/2023 wef 01/07/2023]

(8AD) [*Deleted by S 750/2020 wef 04/09/2020*]

(8B) 1-Cyclohexyl-4-(1,2-diphenylethyl)piperazine (also known as MT-45)

[S 199/2016 wef 01/05/2016]

(8BA) N-Cyclohexyl-2-(1-(4-hydroxypentyl)-1H-indol-3-yl)acetamide and its hydroxy positional isomers in the pentyl group

[S 454/2023 wef 01/07/2023]

(8BB) N-Cyclohexyl-2-(1-pentyl-1H-indol-3-yl)acetamide (also known as CH-PIATA)

[S 454/2023 wef 01/07/2023]

(8C) 2-(1-(Cyclohexylmethyl)-2-oxo-1,2-dihydro-3H-indol-3-ylidene)benzohydrazide (also known as N'-(1-(Cyclohexylmethyl)-2-oxoindolin-3-ylidene)benzohydrazide or BZO-CHMOXIZID)

[S 439/2022 wef 01/06/2022]

(9) 17-O-Desmethyl-16,17-dihydromitragynine

(10) 9-O-Desmethylmitragynine

(10AAA) 3,4-Dibromo-N-methyl-N-(1-methyl-1-azaspiro[4.5]decan-6-yl)benzamide (also known as U-77891) and its dibromo positional isomers in the phenyl ring and their respective azaspiro[4.5]decanyl isomers

[S 283/2021 wef 01/05/2021]

(10AA) 3,4-Dichloromethylphenidate and its dichloro positional isomers in the phenyl ring (also known as 3,4-DCMP)

[S 353/2019 wef 01/05/2019]

(10A) 3,4-Dichloro-N-{[1-(dimethylamino)cyclohexyl]methyl}benzamide (also known as AH-7921) and its dichloro positional isomers in the phenyl ring

[S 253/2015 wef 01/05/2015]

(10B) 3,4-Dichloro-N-[2-(dimethylamino)cyclohexyl]-N-methylbenzamide (also known as U-47700) and its dichloro positional isomers in the phenyl ring and diamino positional isomers in the cyclohexyl ring

[S 193/2017 wef 01/05/2017]

(10C) N,N-Diethyl-2-(2-(4-isopropoxybenzyl)-5-nitro-1H-benzo[d]imidazol-1-yl)ethan-1-amine (also known as Isotonitazene) and its diethylamino structural isomers and their respective isopropoxy positional isomers in the phenyl ring and nitro positional isomers in the 6-membered ring of the benzimidazole structure

[S 283/2021 wef 01/05/2021]

(10D) N,N-Diethyl-2-(2-(4-methoxybenzyl)-5-nitro-1H-benzo[d]imidazol-1-yl)ethan-1-amine (also known as Metonitazene) and its diethylamino structural isomers and their respective methoxy positional isomers in the phenyl ring and nitro positional isomers in the 6-membered ring of the benzimidazole structure

[S 439/2022 wef 01/06/2022]

(10E) N,N-Diethyl-2-(2-(4-propoxybenzyl)-5-nitro-1H-benzo[d]imidazol-1-yl)ethan-1-amine (also known as protonitazene or propoxynitazene) and its diethylamino structural isomers and their respective propoxy positional isomers in the phenyl ring and nitro positional isomers in the 6-membered ring of the benzimidazole structure

[S 454/2023 wef 01/07/2023]

(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

(14A) [*Deleted by S 750/2020 wef 04/09/2020*]

(15) {4-[2,6-Dimethoxy-4-(2-methyloctan-2-yl)phenyl]-6,6-dimethyl-bicyclo[3.1.1]hept-2-en-2-yl}methanol

(15A) 2-(2,5-Dimethoxyphenyl)-N-(2-methoxybenzyl)ethanamine (also known as 25H-NBOMe) and its dimethoxy and methoxy positional isomers in the respective phenyl rings
[S 234/2018 wef 01/05/2018]

(15B) 2-(2,5-Dimethoxyphenyl)ethanamine (also known as 2C-H) and its dimethoxy positional isomers in the phenyl ring
[S 199/2016 wef 01/05/2016]

(15C) 2-N-[2-(2,5-Dimethoxyphenylethyl)aminomethyl]phenol (also known as 25H-NBOH) and its dimethoxy and hydroxy positional isomers in the respective phenyl rings
[S 234/2018 wef 01/05/2018]

(16) 6,6-Dimethyl-3-(2-methyloctan-2-yl)-6a,7,8,9,10,10a-hexahydro-6H-benzo[c]chromen-1,9-diol

(17) N,N-Dimethyl-1-phenylpropan-2-amine (also known as N,N-dimethylamphetamine)

(18) Diphenyl(pyrrolidin-2-yl)methanol (also known as diphenylprolinol)

(18A) 1-(1,2-Diphenylethyl)piperidine (also known as Diphenidine)
[S 283/2021 wef 01/05/2021]

(19) 2-Diphenylmethylpiperidine (also known as desoxypipradrol)

(19AAA) 2-(2-(4-Ethoxybenzyl)-1H-benzo[d]imidazol-1-yl)-N,N-diethylethan-1-amine (also known as etodesnitazene, etazene, etazen, etazone or desnitroetonitazene) and its diethylamino structural isomers and their respective ethoxy positional isomers in the phenyl ring
[S 454/2023 wef 01/07/2023]

(19AAB) 2-(4-Ethoxybenzyl)-5-nitro-1-(2-pyrrolidin-1-ylethyl)-1H-benzimidazole (also known as etonitazepyne or N-pyrrolidino etonitazene) and its ethoxy positional isomers in the phenyl ring and their respective nitro positional isomers in the 6-membered ring of the benzimidazole structure
[S 454/2023 wef 01/07/2023]

(19AA) N-Ethyl-1-(3-fluorophenyl)propan-2-amine (also known as 3-Fluoroethamphetamine, 3-Fluoroethylamphetamine or 3-FEA) and its fluoro positional isomers in the phenyl ring
[S 439/2022 wef 01/06/2022]

(19AB) N-Ethyl-1-(3-methoxyphenyl)-cyclohexanamine (also known as 3-Methoxyeticyclidine or 3-Methoxy-PCE or 3-MeO-PCE) and its methoxy positional isomers in the phenyl ring
[S 430/2024 wef 01/06/2024]

(19AC) 2-(Ethylamino)-2-(2-fluorophenyl)-cyclohexanone (also known as 2-fluorodeschloro-N-ethyl-ketamine, 2-FDCNEK, 2-fluoro-2-oxo PCE or 2-fluoro NENDCK) and its fluoro

positional isomers in the phenyl ring

[S 430/2024 wef 01/06/2024]

(19A) 2-(Ethylamino)-2-phenyl-cyclohexan-1-one (also known as Deschloro-N-ethyl-ketamine)

[S 283/2021 wef 01/05/2021]

(19ABD) 2-(2-(1-(4-Fluorobenzyl)-1H-(6-hydroxyindol)-3-yl)acetamido)-3,3-dimethylbutanamide and its N-(1-amino-1-oxohexan-2-yl) isomers and their respective fluoro positional isomers in the phenyl ring and hydroxy positional isomers in the 6-membered ring of the indole structure

[S 439/2022 wef 01/06/2022]

(19ABE) 2-(2-(1-(4-Fluorobenzyl)-1H-indol-3-yl)acetamido)-3,3-dimethylbutanamide (also known as ADB-FUBIATA or FUB-ACADB or AD-18) and its N-(1-amino-1-oxohexan-2-yl) isomers and their respective fluoro positional isomers in the phenyl ring

[S 439/2022 wef 01/06/2022]

(19AAC) [*Deleted by S 750/2020 wef 04/09/2020*]

(19ABA) [*Deleted by S 750/2020 wef 04/09/2020*]

(19ABB) [*Deleted by S 750/2020 wef 04/09/2020*]

(19ABC) [*Deleted by S 750/2020 wef 04/09/2020*]

(19ABF) 2-Fluorodeschloroketamine (also known as 2-Fluoroketamine or 2-FDCK) and its fluoro positional isomers in the phenyl ring

[S 350/2020 wef 01/05/2020]

(19B) 4-Fluoromethylphenidate and its fluoro positional isomers in the phenyl ring

[S 234/2018 wef 01/05/2018]
[S 430/2024 wef 01/06/2024]

(19B) [*Deleted by S 750/2020 wef 04/09/2020*]

(20A) [*Deleted by S 750/2020 wef 04/09/2020*]

(20AA) [*Deleted by S 750/2020 wef 04/09/2020*]

(20AB) 5-(5-Fluoropentyl)-2-(2-phenylpropan-2-yl)-pyrido[4,3-b]indol-1-one (also known as 2-Cumyl-5-(5-fluoropentyl)-gamma-carbolin-1-one or 5-Fluoro-cumyl-PEGACLONE) and its phenylpropyl isomers and their respective fluoro positional isomers in the pentyl group

[S 350/2020 wef 01/05/2020]

(20) 2-(1-(5-Fluoropentyl)-2-oxo-1,2-dihydro-3H-indol-3-ylidene)benzohydrazide (also known as N'-(1-(5-Fluoropentyl)-2-oxoindolin-3-ylidene)benzohydrazide or 5-Fluoro-BZO-POXIZID or 5F-BZO-POXIZID or MDA-19 5-fluoropentyl analogue or 5F-MDA-19) and its fluoro positional isomers in the pentyl group

[S 439/2022 wef 01/06/2022]

(20B) 2-(3-Fluorophenyl)-3-methylmorpholine (also known as 3-Fluorophenmetrazine or 3F-phenmetrazine) and its fluoro positional isomers in the phenyl ring

[S 283/2021 wef 01/05/2021]

(20C) [*Deleted by S 750/2020 wef 04/09/2020*]

(20D) [*Deleted by S 750/2020 wef 04/09/2020*]

(21) 1-(4-Fluorophenyl)piperazine (also known as 4-Fluorophenylpiperazine or 4-FPP) and its fluoro positional isomers in the phenyl ring

[S 253/2015 wef 01/05/2015]

(22) 1-(4-Fluorophenyl)propan-2-amine (also known as 4-Fluoroamphetamine or 4-FA) and its fluoro positional isomers in the phenyl ring

[S 253/2015 wef 01/05/2015]

(22A) 2-(1-Hexyl-2-oxo-1,2-dihydro-3H-indol-3-ylidene)benzohydrazide (also known as N'-(1-Hexyl-2-oxoindolin-3-ylidene)benzohydrazide or BZO-HEXOXIZID or MDA-19)

[S 439/2022 wef 01/06/2022]

(22B) N'-(1-Hexyl-2-oxoindolin-3-ylidene)-4-hydroxybenzohydrazide and its hydroxy positional isomers in the phenyl ring

[S 454/2023 wef 01/07/2023]

(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

(25AA) N'-(1-(4-Hydroxycyclohexylmethyl)-2-oxoindolin-3-ylidene)benzohydrazide and its hydroxy positional isomers in the cyclohexyl group

[S 454/2023 wef 01/07/2023]

(25A) 2-(1-(5-Hydroxyhexyl)-2-oxo-1,2-dihydro-3H-indol-3-ylidene)benzohydrazide (also known as N'-(1-(5-Hydroxyhexyl)-2-oxoindolin-3-ylidene)benzohydrazide) and its hydroxy positional isomers in the hexyl group

[S 439/2022 wef 01/06/2022]

(26) 9-(Hydroxymethyl)-6,6-dimethyl-3-(2-methyloctan-2-yl)-6a,7,10,10a-tetrahydro-6H-benzo[c]chromen-1-ol (for example HU-210, HU-211)

[S 193/2017 wef 01/05/2017]

(27) 7-Hydroxymitragynine

(27AAA) 2-(1-(5-Hydroxypentyl)-2-oxo-1,2-dihydro-3H-indol-3-ylidene)benzohydrazide (also known as N'-(1-(5-Hydroxypentyl)-2-oxoindolin-3-ylidene)benzohydrazide) and its hydroxy positional isomers in the pentyl group

[S 439/2022 wef 01/06/2022]

(27AA) 5-(5-Hydroxypentyl)-2-(2-phenylpropan-2-yl)-pyrido[4,3-b]indol-1-one and its phenylpropyl isomers and their respective hydroxy positional isomers in the pentyl group

[S 283/2021 wef 01/05/2021]

(27AB) 2-(1H-Indazole-3-carboxamido)-3,3-dimethylbutanoic acid and its hexanoic acid isomers

[S 430/2024 wef 01/06/2024]

(27A) 1-(1H-Indol-5-yl)propan-2-amine (also known as 5-IT) and its 4-yl, 6-yl and 7-yl isomers

[S 199/2016 wef 01/05/2016]

(27B) 2-(4-Iodo-2,5-dimethoxyphenyl)-N-(2-methoxybenzyl)ethanamine (also known as 25I-NBOMe) and its dimethoxy, iodo and methoxy positional isomers in the respective phenyl rings

[S 234/2018 wef 01/05/2018]

(27C) 2-(4-Iodo-2,5-dimethoxyphenyl)ethanamine (also known as 2C-I) and its dimethoxy and iodo positional isomers in the phenyl ring

[S 199/2016 wef 01/05/2016]

(27D) 2-N-[2-(4-Iodo-2,5-dimethoxyphenylethyl)aminomethyl]phenol (also known as 25I-NBOH) and its dimethoxy, hydroxy and iodo positional isomers in the respective phenyl rings

[S 234/2018 wef 01/05/2018]

(27DA) [*Deleted by S 750/2020 wef 04/09/2020*]

(27DB) [*Deleted by S 750/2020 wef 04/09/2020*]

(27E) 3-Methoxy-2-(methylamino)-1-(4-methylphenyl)propan-1-one (also known as Mexedrone) and its methyl positional isomers in the phenyl ring

[S 234/2018 wef 01/05/2018]

(27F) N-[1-(3-Methoxyphenyl)cyclohexyl]-piperidine (also known as 3-Methoxyphencyclidine or 3-Methoxy-PCP or 3-MeO-PCP) and its methoxy positional isomers in the phenyl ring

[S 791/2019 wef 01/12/2019]

(28) 2-(3-Methoxyphenyl)-2-(N-ethylamino)cyclohexanone (also known as methoxetamine)

(28A) 1-[1-(2-Methoxyphenyl)-2-phenylethyl]piperidine (also known as 2-MeO-Diphenidine or 2-MXP or methoxphenidine) and its methoxy positional isomers in the phenyl ring

[S 283/2021 wef 01/05/2021]

(28B) N-Methyl-5-(2-aminopropyl)benzofuran (also known as 5-MAPB) and its 4-yl, 6-yl and 7-yl isomers

[S 283/2021 wef 01/05/2021]

(28BA) [*Deleted by S 750/2020 wef 04/09/2020*]

(28C) [*Deleted by S 750/2020 wef 04/09/2020*]

(28CA) [*Deleted by S 750/2020 wef 04/09/2020*]

(28D) [*Deleted by S 750/2020 wef 04/09/2020*]

(28E) [*Deleted by S 750/2020 wef 04/09/2020*]

(28F) [*Deleted by S 750/2020 wef 04/09/2020*]

(28FA) [*Deleted by S 750/2020 wef 04/09/2020*]

(28G) [*Deleted by S 750/2020 wef 04/09/2020*]

(28H) [*Deleted by S 750/2020 wef 04/09/2020*]

(28I) [*Deleted by S 750/2020 wef 04/09/2020*]

(28J) [*Deleted by S 750/2020 wef 04/09/2020*]

(29) N-Methyl-1-(4-fluorophenyl)propan-2-amine (also known as 4-Fluoromethamphetamine or 4-FMA) and its fluoro positional isomers in the phenyl ring

[S 253/2015 wef 01/05/2015]

(29AA) [*Deleted by S 750/2020 wef 04/09/2020*]

(29A) [*Deleted by S 750/2020 wef 04/09/2020*]

(30) N-Methyl-1-(4-methoxyphenyl)propan-2-amine (also known as 4-Methoxymethamphetamine or para-Methoxymethamphetamine or PMMA) and its methoxy positional isomers in the phenyl ring

[S 253/2015 wef 01/05/2015]

(30A) 4-Methyl-5-(4-methylphenyl)-4,5-dihydro-1,3-oxazol-2-amine (also known as 4,4'-Dimethylaminorex, 4,4'-DMAR or para-methyl-4-methylaminorex) and its methyl positional isomers in the phenyl ring

[S 199/2016 wef 01/05/2016]

(31) N-Methyl-1-(4-methylphenyl)propan-2-amine (also known as 4-Methylmethamphetamine or 4-MMA) and its methyl positional isomers in the phenyl ring

[S 253/2015 wef 01/05/2015]

(31A) 1-(2-Methyl-4-(3-phenyl-prop-2-en-1-yl)-piperazin-1-yl)-1-butanone (also known as 2-methyl-AP-237 or 2-methyl buccinazine) and its methyl positional isomers in the piperazinyl ring

[S 454/2023 wef 01/07/2023]

(32) (N-Methyl-4-phenylpiperidin-4-yl)propanoate (also known as 1-Methyl-4-phenyl-4-piperidinol propionate, desmethylprodine or MPPP)

[S 588/2018 wef 01/10/2018]

(33) N-Methyl-1-(thiophen-2-yl)propan-2-amine (also known as methiopropamine) and its thiophen-3-yl isomer

[S 199/2016 wef 01/05/2016]

(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

(35A) [*Deleted by S 750/2020 wef 04/09/2020*]

(36) Naphthalen-1-yl(4-pentyloxynaphthalen-1-yl)methanone (also known as CB-13)

(36A) 2-(1-Pentyl-2-oxo-1,2-dihydro-3H-indol-3-ylidene)benzohydrazide (also known as N'-(1-Pentyl-2-oxoindolin-3-ylidene)benzohydrazide or BZO-POXIZID or MDA-19 pentyl analogue or 5C-MDA-19)

[S 439/2022 wef 01/06/2022]

(37) 2-Phenyl-2-(methylamino)cyclohexanone (also known as Deschloroketamine)

[S 283/2021 wef 01/05/2021]

(38) 1-Phenyl-2-phenyl-2-(1-pyrrolidinyl)ethanone (also known as α-Pyrrolidino-2-

phenylacetophenone or α-D2PV)

[S 439/2022 wef 01/06/2022]

(36AA) [*Deleted by S 750/2020 wef 04/09/2020*]

(36B) [*Deleted by S 750/2020 wef 04/09/2020*]

(36C) [*Deleted by S 750/2020 wef 04/09/2020*]

(37A) [*Deleted by S 750/2020 wef 04/09/2020*]

(38AAA) [*Deleted by S 750/2020 wef 04/09/2020*]

(38AA) [*Deleted by S 750/2020 wef 04/09/2020*]

(38AB) [*Deleted by S 750/2020 wef 04/09/2020*]

(38AC) 2-(2-Phenylpropan-2-yl)-5-pentyl-pyrido[4,3-b]indol-1-one (also known as 2-Cumyl-5-pentylgamma-carbolin-1-one or cumyl-PEGACLONE or SGT-151) and its phenylpropyl isomers

[S 350/2020 wef 01/05/2020]

(38B) 5-[(2-Phenylpropan-2-yl)-pyrido[4,3-b]indol-1-one-yl]pentanoic acid and its phenylpropyl isomers

[S 283/2021 wef 01/05/2021]

(38AD) [*Deleted by S 750/2020 wef 04/09/2020*]

(38AE) [*Deleted by S 750/2020 wef 04/09/2020*]

(38A) [*Deleted by S 750/2020 wef 04/09/2020*]

(38C) [*Deleted by S 750/2020 wef 04/09/2020*]

(39) Salvinorin A

[S 322/2014 wef 01/05/2014]

(40) 2,4,5-Trimethoxy-α-methylphenethylamine (also known as 2,4,5-Trimethoxyamphetamine or TMA-2) and its trimethoxy positional isomers in the phenyl ring

[S 283/2021 wef 01/05/2021]

18. Any compound (other than serotonin) structurally derived from 2-(1H-indol-3-yl)ethanamine (also known as tryptamine) by modification in any of the following ways:

(*a*) substitution at the nitrogen atom of the side chain to any extent with alkyl or alkenyl substituents, or by inclusion of only the nitrogen atom of the side chain in a cyclic structure;

(*b*) substitution at the carbon atom adjacent to the nitrogen atom of the side chain with alkyl or alkenyl substituents;

(*c*) substitution in the 6-membered ring to any extent with alkyl, alkoxy, haloalkyl, hydroxy, thioalkyl, alkylenedioxy, halide or acetoxy substituents;

(*d*) substitution at the 2-position of the tryptamine ring system with an alkyl substituent,

including any ether, salt or stereoisomeric form of any such compound, any preparation or product containing any such compound, and the following examples of such a compound:

(1) 4-Acetoxy-N,N-diisopropyltryptamine (also known as 4-Acetoxy-DiPT or 4-AcO-DiPT)

(2) 4-Acetoxy-N,N-dimethyltryptamine (also known as 4-Acetoxy-DMT or 4-AcO-DMT)

(3) 5-Benzyloxytryptamine

(4) 5-Bromo-N,N-dimethyltryptamine (also known as 5-Bromo-DMT)

(5) 5-Bromotryptamine

(6) 5-Chloro-α-methyltryptamine (also known as 5-Chloro-AMT)

(7) 5-Chlorotryptamine

(8) N,N-Diallyltryptamine

(9) N,N-Diethyltryptamine

(10) N,N-Diisopropyltryptamine

(10A) 5,6-Dimethoxy-N,N-diisopropyltryptamine (also known as 5,6-Dimethoxy-DiPT or 5,6-MeO-DiPT)

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(11) N,N-Dimethyltryptamine

(12) N,N-Dipropyltryptamine

(13) Etryptamine

(14) 5-Fluoro-N,N-dimethyltryptamine (also known as 5-Fluoro-DMT)

(15) 5-Fluoro-α-methyltryptamine (also known as 5-Fluoro-AMT)

(16) 5-Fluorotryptamine

(17) 4-Hydroxy-N,N-diethyltryptamine (also known as 4-Hydroxy-DET or 4-HO-DET)

(18) 4-Hydroxy-N,N-diisopropyltryptamine (also known as 4-Hydroxy-DiPT or 4-HO-DiPT)

(19) 4-Hydroxy-N,N-dimethyltryptamine (also known as Psilocin)

(20) 4-Hydroxy-N-methyl-N-ethyltryptamine (also known as 4-Hydroxy-MET or 4-HO-MET)

(21) 4-Hydroxy-N-methyl-N-isopropyltryptamine (also known as 4-Hydroxy-MiPT or 4-HO-MiPT)

(22) 4-Hydroxy-α-methyltryptamine (also known as 4-Hydroxy-AMT or 4-HO-AMT)

(23) 5-Hydroxy-N-methyltryptamine (also known as 5-Hydroxy-NMT or 5-HO-NMT)

(24) 5-Hydroxy-N,N-dimethyltryptamine (also known as Bufotenine)

(25) 5-Methoxy-N,N-diallyltryptamine (also known as 5-Methoxy-DALT or 5-MeO-DALT)

(26) 5-Methoxy-N,N-diethyltryptamine (also known as 5-Methoxy-DET or 5-MeO-DET)

(27) 5-Methoxy-N,N-diisopropyltryptamine (also known as 5-Methoxy-DiPT or 5-MeO-DiPT)

(28) 5-Methoxy-N,N-dimethyltryptamine (also known as 5-Methoxy-DMT or 5-MeO-DMT)

(29) 5-Methoxy-N,N-dipropyltryptamine (also known as 5-Methoxy-DPT or 5-MeO-DPT)

(30) 5-Methoxy-N-ethyl-N-isopropyltryptamine (also known as 5-Methoxy-EiPT or 5-MeO-EiPT)

(31) 5-Methoxy-N-ethyl-N-propyltryptamine (also known as 5-Methoxy-EPT or 5-MeO-EPT)

(32) 5-Methoxy-α-ethyltryptamine (also known as 5-Methoxy-AET or 5-MeO-AET)

(33) 5-Methoxy-N-methyl-N-isopropyltryptamine (also known as 5-Methoxy-MiPT or 5-MeO-MiPT)

(34) 5-Methoxy-α-methyltryptamine (also known as 5-Methoxy-AMT or 5-MeO-AMT)

(35) 5-Methoxy-N-methyltryptamine (also known as 5-Methoxy-NMT or 5-MeO-NMT)

(36) 4-Methyl-α-ethyltryptamine (also known as 4-Methyl-AET)

(37) 5-Methyltryptamine

(38) α-Methyltryptamine

(39) N-Methyltryptamine

[S 199/2016 wef 01/05/2016]

19. Any compound structurally derived from indole-3-carboxaldehyde or indole-2-carboxaldehyde by substitution —

(*a*) at the nitrogen atom of the indole ring with any of the following:

(i) an alkyl group;

(ii) a cyanoalkyl group;

(iii) an alkenyl group;

(iv) a cycloalkylmethyl group;

(v) a cycloalkylethyl group;

(vi) a 1-(N-methyl-2-piperidinyl)methyl group;

(vii) a 2-(4-morpholinyl)ethyl group;

(viii) a 1-(N-methyl-2-pyrrolidinyl)methyl group;

(ix) a 1-(N-methyl-3-morpholinyl)methyl group;

(x) a tetrahydropyranylmethyl group;

(xi) an arylalkyl group;

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(xii) a halogen, hydroxy and/or carboxylic acid derivative of any group mentioned in sub-paragraphs (i) to (xi); and

(*b*) at the hydrogen atom of the carboxaldehyde with any of the following:

(i) an alkyl group;

(ii) an alkenyl group;

(iii) an alkylamido group;

(iv) an alkylcarboxylic acid group;

(v) a phenyl group;

(vi) an arylalkyl group;

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(vii) a cycloalkyl group;

(viii) a cycloalkylmethyl group;

(ix) a cycloalkylethyl group;

(x) an adamantyl group;

(xi) a naphthyl group;

(xii) a norbornyl group;

(xiii) a 1,2,3,4-tetrahydronaphthyl group;

(xiv) a heterocyclic analog of any group mentioned in sub-paragraphs (v) to (xiii),

whether or not the compound is further modified in any of the following ways:

(*c*) substitution of the indole ring with a nitrogen heterocyclic analog;

(*d*) substitution to the indole ring or its nitrogen heterocyclic analog to any extent;

(*e*) substitution to the group mentioned in sub-paragraph (*b*) to any extent,

including any salt or stereoisomeric form of the compound or derivative of the compound, any preparation or product containing the compound or derivative of the compound, and the following examples of such a compound or derivative:

(1) [1-(5-Bromopent-1-yl)-1H-indazol-3-yl](naphthalene-1-yl)methanone (also known as 5-Bromo-THJ-018)

(2) [1-(5-Bromopent-1-yl)-1H-indol-3-yl](2,2,3,3-tetramethylcyclopropyl)methanone (also known as 5-Bromo-UR-144)

(3) [1-(5-Chloropent-1-yl)-1H-indazol-3-yl](naphthalen-1-yl)methanone (also known as 5-Chloro-THJ-018)

(4) [1-(5-Chloropent-1-yl)-1H-indol-3-yl](2,2,3,3-tetramethylcyclopropyl)methanone (also known as 5-Chloro-UR-144)

(5) [1-(4-Fluorobenzyl)-1H-indol-3-yl](2,2,3,3-tetramethylcyclopropyl)methanone (also known as FUB-144 or FUB-UR-144)

(6) [1-(5-Fluoropent-1-yl)-1H-benzimidazol-2-yl](naphthalen-1-yl)methanone (also known as FUBIMINA)

(7) [1-(5-Fluoropent-1-yl)-1H-indazol-3-yl](naphthalen-1-yl)methanone (also known as THJ-2201)

(8) [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)

(9) [1-(5-Hydroxypent-1-yl)-1H-indazol-3-yl](naphthalen-1-yl)methanone

(10) [1-(5-Hydroxypent-1-yl)-1H-indol-3-yl](2,2,3,3-tetramethylcyclopropyl)methanone

(11) [1-(5-Iodopent-1-yl)-1H-indazol-3-yl](naphthalen-1-yl)methanone (also known as 5-Iodo-THJ-018)

(12) Naphthalen-1-yl[1-(pent-1-yl)-1H-indazol-3-yl]methanone (also known as THJ-018)

(13) 5-[3-(1-Naphthoyl)-1H-indazol-1-yl]pentanoic acid

(14) 5-[3-(1-Naphthoyl)-1H-indol-1-yl]pentanenitrile (also known as AM-2232)

(15) (1-Pentyl-1H-indol-3-yl)(2,2,3,3-tetramethylcyclopropyl)methanone (also known as UR-144)

(16) 5-[3-(2,2,3,3-Tetramethylcyclopropanecarbonyl)-1H-indol-1-yl]pentanoic acid

(17) (1-Butyl-1H-indol-3-yl)(naphthalen-1-yl)methanone (also known as JWH-073)

(18) (4-Chloronaphthalen-1-yl)(1-pentyl-1H-indol-3-yl)methanone (also known as JWH-398)

(19) [1-(4-Chloropent-1-yl)-1H-indol-3-yl](naphthalen-1-yl)methanone (also known as 4-Chloro-AM-2201)

(20) (4-Ethylnaphthalen-1-yl)(1-pentyl-1H-indol-3-yl)methanone (also known as JWH-210)

(21) [1-(5-Fluoropent-1-yl)-1H-indol-3-yl](4-methylnaphthalen-1-yl)methanone (also known as MAM-2201)

(22) [1-(5-Fluoropent-1-yl)-1H-indol-3-yl](naphthalen-1-yl)methanone (also known as AM-2201)

(23) [1-(4-Fluoropent-1-yl)-1H-indol-3-yl](naphthalen-1-yl)methanone (also known as 4-Fluoro-

AM-2201)

(24) [1-(5-Fluoropent-1-yl)-6-nitro-1H-indol-3-yl](naphthalen-1-yl)methanone (also known as AM-1235)

(25) [1-(Heptan-2-yl)-2-methyl-1H-indol-3-yl](naphthalen-1-yl)methanone (also known as JWH-011)

(26) (1-Heptyl-1H-indol-3-yl)(naphthalen-1-yl)methanone (also known as JWH-020)

(27) (1-Hexyl-1H-indol-3-yl)(naphthalen-1-yl)methanone (also known as JWH-019)

(28) (4-Methoxynaphthalen-1-yl)(1-pentyl-1H-indol-3-yl)methanone (also known as JWH-081)

(29) (2-Methyl-1-propyl-1H-indol-3-yl)(naphthalen-1-yl)methanone (also known as JWH-015)

(30) (4-Methylnaphthalen-1-yl)(1-pentyl-1H-indol-3-yl)methanone (also known as JWH-122)

(31) {1-[(1-Methylpiperidin-2-yl)methyl]-1H-indol-3-yl}(naphthalen-1-yl)methanone (also known as AM-1220)

(32) {1-[2-(Morpholin-4-yl)ethyl]-1H-indol-3-yl}(naphthalen-1-yl)methanone (also known as JWH-200)

(33) Naphthalen-1-yl[1-(pent-4-en-1-yl)-1H-indol-3-yl]methanone (also known as JWH-022)

(34) Naphthalen-1-yl(1-pentyl-1H-indol-3-yl)methanone (also known as JWH-018)

(35) Naphthalen-1-yl(1-propyl-1H-indol-3-yl)methanone (also known as JWH-072)

(36) 2-(2-Chlorophenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone (also known as JWH-203)

(37) 1-[1-(2-Cyclohexylethyl)-1H-indol-3-yl]-2-(2-methoxyphenyl)ethanone (also known as RCS-8)

(38) 2-(2-Methoxyphenyl)-1-{1-[(1-methylpiperidin-2-yl)methyl]-1H-indol-3-yl}ethanone (also known as cannabipiperidiethanone)

(39) 2-(2-Methoxyphenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone (also known as JWH-250)

(40) 2-(3-Methoxyphenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone (also known as JWH-302)

(41) 2-(4-Methoxyphenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone (also known as JWH-201)

(42) 2-(2-Methylphenyl)-1-(1-pentyl-1H-indol-3-yl)ethanone (also known as JWH-251)

(43) [1-(5-Fluoropentyl)-1H-indol-3-yl](2-iodophenyl)methanone (also known as AM-694)

(44) (2-Iodo-5-nitrophenyl){1-[(1-methylpiperidin-2-yl)methyl]-1H-indol-3-yl}methanone (also known as AM-1241)

(45) (2-Iodophenyl){1-[(1-methylpiperidin-2-yl)methyl]-1H-indol-3-yl}methanone (also known as AM-2233)

(46) (2-Iodophenyl)(1-pentyl-1H-indol-3-yl)methanone (also known as AM-679)

(47) (4-Methoxyphenyl){2-methyl-1-[2-(morpholin-4-yl)ethyl]-1H-indol-3-yl}methanone (also known as pravadoline)

(48) (4-Methoxyphenyl)(1-pentyl-1H-indol-3-yl)methanone (also known as RCS-4)

(49) 1-Adamantyl{1-[(1-methylpiperidin-2-yl)methyl]-1H-indol-3-yl}methanone (also known as AM-1248)

(50) 1-Adamantyl(1-pentyl-1H-indol-3-yl)methanone (also known as AB-001)

[S 750/2020 wef 04/09/2020]

(51) (1-(Pent-4-en-1-yl)-1H-indol-3-yl)(2,2,3,3-tetramethylcyclopropyl)methanone (also known as XLR-11 N-(4-pentenyl) analogue or UR-144 N-(4-pentenyl) analogue)

[S 439/2022 wef 01/06/2022]

20. Any compound structurally derived from indole-3-carboxamide or indole-2-carboxamide by substitution —

(*a*) at the nitrogen atom of the indole ring with any of the following:

(i) an alkyl group;

(ii) a cyanoalkyl group;

(iii) an alkenyl group;

(iv) a cycloalkylmethyl group;

(v) a cycloalkylethyl group;

(vi) a 1-(N-methyl-2-piperidinyl)methyl group;

(vii) a 2-(4-morpholinyl)ethyl group;

(viii) a 1-(N-methyl-2-pyrrolidinyl)methyl group;

(ix) a 1-(N-methyl-3-morpholinyl)methyl group;

(x) a tetrahydropyranylmethyl group;

(xi) an arylalkyl group;

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(xii) a halogen, hydroxy and/or carboxylic acid derivative of any group mentioned in sub-paragraphs (i) to (xi); and

(*b*) at any hydrogen atom of the carboxamide with any of the following:

(i) an alkyl group;

(ii) an alkenyl group;

(iii) an alkylamido group;

(iv) an alkylcarboxylic acid group;

(v) a phenyl group;

(vi) an arylalkyl group;

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(vii) a cycloalkyl group;

(viii) a cycloalkylmethyl group;

(ix) a cycloalkylethyl group;

(x) an adamantyl group;

(xi) a naphthyl group;

(xii) a norbornyl group;

(xiii) a 1,2,3,4-tetrahydronaphthyl group;

(xiv) a heterocyclic analog of any group mentioned in sub-paragraphs (v) to (xiii),

whether or not the compound is further modified in any of the following ways:

(*c*) substitution of the indole ring with a nitrogen heterocyclic analog;

(*d*) substitution to the indole ring or its nitrogen heterocyclic analog to any extent;

(*e*) substitution to the group mentioned in sub-paragraph (*b*) to any extent,

including any salt or stereoisomeric form of the compound or derivative of the compound, any preparation or product containing the compound or derivative of the compound, and the following examples of such a compound or derivative:

(1) N-(1-Adamantyl)-1-(5-bromopentyl)-1H-indazole-3-carboxamide (also known as 5-Bromo-APINACA or 5-Bromo-AKB48)

(2) N-(1-Adamantyl)-1-(5-chloropentyl)-1H-indazole-3-carboxamide (also known as 5-Chloro-APINACA or 5-Chloro-AKB48)

(3) N-(1-Adamantyl)-1-(cyclohexylmethyl)-1H-indazole-3-carboxamide (also known as Adamantyl CHMINACA or SGT-37)

(4) N-(1-Adamantyl)-1-(5-hydroxypentyl)-1H-indazole-3-carboxamide

(5) N-(1-Adamantyl)-1-(4-fluorobenzyl)-1H-indazole-3-carboxamide (also known as FUB-APINACA or FUB-AKB48)

(5A) N-(1-Adamantyl)-1-(4-fluorobutyl)-1H-indazole-3-carboxamide (also known as 4-Fluoro-ABUTINACA or 4F-ABUTINACA or 4-Fluoro ABINACA)

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(6) N-(1-Adamantyl)-1-(5-fluoropentyl)-1H-indazole-3-carboxamide (also known as 5-Fluoro-APINACA or 5F-AKB48)

(7) N-(1-Adamantyl)-1-(5-fluoropentyl)-1H-indole-3-carboxamide (also known as 5-Fluoro-APICA or STS-135)

(7A) N-(1-Adamantyl)-4-hydroxybutyl-1H-indazole-3-carboxamide

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(8) N-(1-Adamantyl)-1-pentyl-1H-indazole-3-carboxamide (also known as APINACA)

(9) N-(1-Adamantyl)-1-pentyl-1H-indole-3-carboxamide (also known as APICA)

(9A) 4-{3-[(1-Adamantyl)carbamoyl]-1H-indazole-1-yl}butanoic acid

[S 439/2022 wef 01/06/2022]

(10) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(cyclohexylmethyl)-1H-indazole-3-carboxamide (also known as MAB-CHMINACA or ADB-CHMINACA)

(10A) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(4,5-dihydroxypentyl)-1H-indazole-3-carboxamide

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(11) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(4-fluorobenzyl)-1H-indazole-3-carboxamide (also known as N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-[(4-fluorophenyl)]methyl-1H-indazole-3-carboxamide or ADB-FUBINACA)

(12) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(5-fluoropentyl)-1H-indazole-3-carboxamide (also known as 5-Fluoro-ADB-PINACA)

(13) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(5-fluoropentyl)-1H-indole-3-carboxamide (also known as 5-Fluoro-ADBICA)

(13A) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(4-hydroxycyclohexylmethyl)-1H-indazole-3-carboxamide

[S 430/2024 wef 01/06/2024]

(13B) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(pent-4-en-1-yl)-1H-indazole-3-carboxamide (also known as ADB-4en-PINACA, ADMB-4en-PINACA or ADB-PENINACA)

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(14) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-pentyl-1H-indazole-3-carboxamide (also known as ADB-PINACA)

(15) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-pentyl-1H-indole-3-carboxamide (also known as ADBICA)

(15A) 4-{3-[(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)carbamoyl]-1H-indazole-1-yl}butanoic acid

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(16) N-(1-Amino-3-methyl-1-oxobutan-2-yl)-1-(5-chloropentyl)-1H-indazole-3-carboxamide (also known as 5-Chloro-AB-PINACA)

(17) N-(1-Amino-3-methyl-1-oxobutan-2-yl)-1-(cyclohexylmethyl)-1H-indazole-3-carboxamide

(also known as AB-CHMINACA)

(18) N-(1-Amino-3-methyl-1-oxobutan-2-yl)-1-(4-fluorobenzyl)-1H-indazole-3-carboxamide (also known as N-[1-amino-3-methyl-1-oxobutan-2-yl]-1-[(4-fluorophenyl)methyl]-1H-indazole-3-carboxamide or AB-FUBINACA)

(19) N-(1-Amino-3-methyl-1-oxobutan-2-yl)-1-(4-fluorobenzyl)-1H-indole-3-carboxamide (also known as AB-FUBICA)

(20) N-(1-Amino-3-methyl-1-oxobutan-2-yl)-1-(5-fluoropentyl)-1H-indazole-3-carboxamide (also known as 5-Fluoro-AB-PINACA)

(21) N-(1-Amino-3-methyl-1-oxobutan-2-yl)-1-pentyl-1H-indazole-3-carboxamide (also known as AB-PINACA)

(22) N-(1-Amino-1-oxo-3-phenylpropan-2-yl)-1-(cyclohexylmethyl)-1H-indazole-3-carboxamide (also known as PX-3 or APP-CHMINACA)

(23) N-(1-Amino-1-oxo-3-phenylpropan-2-yl)-1-(5-fluoropentyl)-1H-indazole-3-carboxamide (also known as PX-2 or 5-Fluoro-APP-PINACA)

(24) N-(1-Amino-1-oxo-3-phenylpropan-2-yl)-1-(5-fluoropentyl)-1H-indole-3-carboxamide (also known as PX-1 or 5-Fluoro-APP-PICA)

(25) Ethyl 2-[1-(4-fluorobenzyl)-1H-indazole-3-carboxamido]-3-methylbutanoate (also known as EMB-FUBINACA or AEB-FUBINACA or FUB-AEB)

(26) Ethyl 2-[1-(5-fluoropentyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoate (also known as 5-Fluoro-EDMB-PINACA)

(27) Ethyl 2-[1-(5-fluoropentyl)-1H-indazole-3-carboxamido]-3-methylbutanoate (also known as 5-Fluoro-AEB or 5-Fluoro-EMB-PINACA)

(28) 2-[1-(4-Fluorobenzyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoic acid

(29) 2-[1-(4-Fluorobenzyl)-1H-indazole-3-carboxamido]-3-methylbutanoic acid

(30) 2-[1-(4-Fluorobenzyl)-1H-indole-3-carboxamido]-3-methylbutanoic acid

(31) 2-[1-(4-Fluorobutyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoic acid

(31A) 2-[1-(4-Fluorobutyl)-1H-indole-3-carboxamido]-3,3-dimethylbutanoic acid *[S 283/2021 wef 01/05/2021]*

(32) 5-Fluoropent-1-yl-N-naphthalen-1-yl-1H-indole-3-carboxamide (also known as CBM-2201, 5-Fluoro-NNEI, 5F-NNEI or MN-24F)

(33) 1-(5-Fluoropentyl)-N-(2-phenylpropan-2-yl)-1H-indole-3-carboxamide (also known as 5-Fluoro-cumyl-PICA)

(34) 2-[1-(5-Fluoropentyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoic acid

(35) 2-[1-(5-Fluoropentyl)-1H-indole-3-carboxamido]-3,3-dimethylbutanoic acid

(36) 2-[1-(5-Fluoropentyl)-1H-indazole-3-carboxamido]-3-methylbutanoic acid

(36AA) 2-[1-(5-Fluoropentyl)-1H-indole-3-carboxamido]-3-methylbutanoic acid *[S 439/2022 wef 01/06/2022]*

(36A) 2-[1-(5-Fluoropentyl)-1H-indole-3-carboxamido]-3-phenylpropanoic acid

[S 283/2021 wef 01/05/2021]

(36B) 1-(5-Hydroxypentyl)-N-(2-phenylpropan-2-yl)-1H-indazole-3-carboxamide

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(36C) Methyl 2-(1-butyl-1H-indazole-3-carboxamido)-3,3-dimethylbutanoate (also known as MDMB-BUTINACA or MDMB-BINACA

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(37) Methyl 2-[1-(cyclohexylmethyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoate (also known as MDMB-CHMINACA)

(38) Methyl 2-[1-(cyclohexylmethyl)-1H-indazole-3-carboxamido]-3-methylbutanoate (also known as MA-CHMINACA)

(39) Methyl 2-[1-(cyclohexylmethyl)-1H-indole-3-carboxamido]-3,3-dimethylbutanoate (also known as Methyl N-{[1-(cyclohexylmethyl)-1H-indol-3-yl]carbonyl}-3-methyl-L-valinate or MDMB-CHMICA)

(40) Methyl 2-[1-(cyclohexylmethyl)-1H-indole-3-carboxamido]-3-methylbutanoate (also known as MMB-CHMICA)

(41) Methyl 3,3-dimethyl-2-[1-(pent-4-en-1-yl)-1H-indazole-3-carboxamido]butanoate (also known as MDMB-4en-PINACA or MDMB-PINACA N1-pentyl-4-en isomer or MDMB(N)-022)

(42) Methyl 2-[1-(4-fluorobenzyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoate (also known as MDMB-FUBINACA)

(43) Methyl 2-[1-(4-fluorobenzyl)-1H-indazole-3-carboxamido]-3-methylbutanoate (also known as Methyl 2-({1-[(4-fluorophenyl)methyl]-1H-indazole-3-carbonyl}amino)-3-methylbutanoate or MMB-FUBINACA or AMB-FUBINACA or FUB-AMB)

(44) Methyl 2-[1-(4-fluorobenzyl)-1H-indole-3-carboxamido]-3-methylbutanoate (also known as MMB-FUBICA or AMB-FUBICA)

(45) Methyl 2-[1-(4-fluorobutyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoate (also known as Methyl 2-{[1-(4-fluorobutyl)-1H-indazole-3-carbonyl]amino}-3,3-dimethylbutanoate, 4F-MDMB-BINACA, 4F-MDMB-BUTINACA or 4-Fluoro-MDMB-BINACA)

(46) Methyl 2-[1-(5-fluoropentyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoate (also known as 5-Fluoro-MDMB-PINACA or 5-Fluoro-ADB)

(47) Methyl 2-[1-(5-fluoropentyl)-1H-indazole-3-carboxamido]-3-methylbutanoate (also known as Methyl 2-{[1-(5-fluoropentyl)-1H-indazole-3-carbonyl]amino}-3-methylbutanoate, 5F-AMP, 5-Fluoro-AMP, 5F-MMB-PINACA, 5F-AMB-PINACA, 5-Fluoro-AMB or 5-Fluoro-MMB-PINACA)

(48) Methyl 2-[1-(5-fluoropentyl)-1H-indole-3-carboxamido]-3,3-dimethylbutanoate (also known as Methyl 2-{[1-(5-fluoropentyl)-1H-indole-3-carbonyl]amino}-3,3-dimethylbutanoate, 5F-MDMB-PICA, 5F-MDMB-2201, 5-Fluoro-MDMB-2201 or 5-Fluoro-MDMB-PICA)

(49) Methyl 2-[1-(5-fluoropentyl)-1H-indole-3-carboxamido]-3-phenylpropanoate (also known as 5-Fluoro-MPP-PICA or 5-Fluoro-MPhP-PICA or MPHP-2201)

(50) Methyl 2-[1-(4-hydroxybutyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoate

(51) Methyl 2-[1-(5-hydroxypentyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoate

(51A) Methyl 2-[1-(5-hydroxypentyl)-1H-indole-3-carboxamido]-3-phenylpropanoate

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(52) N-(1-Methyl-1-phenylethyl)-1-(4-cyanobutyl)-1H-indazole-3-carboxamide (also known as 1-(4-Cyanobutyl)-N-(2-phenylpropan-2-yl)-1H-indazole-3-carboxamide or Cumyl-4CN-BINACA or 4-Cyano cumyl-butinaca or SGT-78)

(53) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-butyl-1H-indazole-3-carboxamide (also known as 2-[(1-Butyl-1H-indazol-3-yl)formamido]-3,3-dimethylbutanamide or ADB-BUTINACA)

(54) 1-Pentyl-N-(2-phenylpropan-2-yl)-1H-indole-3-carboxamide (also known as Cumyl-PICA)

(55) 5-{3-[(1-Adamantyl)carbamoyl]-1H-indazole-1-yl}pentanoic acid

(56) 5-{3-[(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)carbamoyl]-1H-indazole-1-yl}pentanoic acid

(57) 5-{3-[(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)carbamoyl]-1H-indole-1-yl}pentanoic acid

(58) 5-{3-[(1-Amino-3-methyl-1-oxobutan-2-yl)carbamoyl]-1H-indazole-1-yl}pentanoic acid

(59) 4-{3-[(2-Phenylpropan-2-yl)carbamoyl]-1H-indazole-1-yl}butanoic acid

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(60) 2-[1-(Pent-4-en-1-yl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoic acid

(61) 2-[1-(4,5-Dihydroxypentyl)-1H-indazole-3-carboxamido]-3,3-dimethylbutanoic acid

(62) 2-(1-Butyl-1H-indazole-3-carboxamido)-3,3-dimethylbutanoic acid

(63) N-(1-Amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(4-hydroxybutyl)-1H-indazole-3-carboxamide

(64) 5-{3-[(2-Phenylpropan-2-yl)carbamoyl]-1H-indol-1-yl}pentanoic acid

(65) 1-(5-Fluoropentyl)-N-(2-phenylpropan-2-yl)-1H-indazole-3-carboxamide (also known as 5-Fluoro-cumyl-PINACA)

(66) Ethyl 2-[1-(5-fluoropentyl)-1H-indole-3-carboxamido]-3-methylbutanoate (also known as 5-Fluoro-EMB-PICA or EMB-2201)

(67) Methyl 2-[1-(4-fluorobutyl)-1H-indole-3-carboxamido]-3,3-dimethylbutanoate (also known as Methyl 2-{[1-(4-fluorobutyl)-1H-indole-3-carbonyl]amino}-3,3-dimethylbutanoate, 4F-MDMB-BICA, 4F-MDMB-BUTICA or 4-Fluoro-MDMB-BUTICA)

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21. Any compound structurally derived from indole-3-carboxylic acid or indole-2-carboxylic acid by substitution —

(*a*) at the nitrogen atom of the indole ring with any of the following:

(i) an alkyl group;

(ii) a cyanoalkyl group;

(iii) an alkenyl group;

(iv) a cycloalkylmethyl group;

(v) a cycloalkylethyl group;

(vi) a 1-(N-methyl-2-piperidinyl)methyl group;

(vii) a 2-(4-morpholinyl)ethyl group;

(viii) a 1-(N-methyl-2-pyrrolidinyl)methyl group;

(ix) a 1-(N-methyl-3-morpholinyl)methyl group;

(x) a tetrahydropyranylmethyl group;

(xi) an arylalkyl group;

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(xii) a halogen, hydroxy and/or carboxylic acid derivative of any group mentioned in sub-paragraphs (i) to (xi); and

(*b*) at the hydrogen atom of the carboxylic acid with any of the following:

(i) an alkyl group;

(ii) an alkenyl group;

(iii) an alkylamido group;

(iv) an alkylcarboxylic acid group;

(v) a phenyl group;

(vi) an arylalkyl group;

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(vii) a cycloalkyl group;

(viii) a cycloalkylmethyl group;

(ix) a cycloalkylethyl group;

(x) an adamantyl group;

(xi) a naphthyl group;

(xii) a norbornyl group;

(xiii) a 1,2,3,4-tetrahydronaphthyl group;

(xiv) a heterocyclic analog of any group mentioned in sub-paragraphs (v) to (xiii),

whether or not the compound is further modified in any of the following ways:

(*c*) substitution of the indole ring with a nitrogen heterocyclic analog;

(*d*) substitution to the indole ring or its nitrogen heterocyclic analog to any extent;

(*e*) substitution to the group mentioned in sub-paragraph (*b*) to any extent,

including any salt or stereoisomeric form of the compound or derivative of the compound, any preparation or product containing the compound or derivative of the compound, and the following examples of such a compound or derivative:

(1) Naphthalen-1-yl 1-(5-fluoropentyl)-1H-indazole-3-carboxylate (also known as 5-Fluoro-SDB-005)

(2) Naphthalen-1-yl 1-(5-fluoropentyl)-1H-indole-3-carboxylate (also known as NM-2201 or CBL-2201)

(3) Naphthalen-1-yl 1-pentyl-1H-indazole-3-carboxylate (also known as SDB-005)

(4) Quinolin-8-yl 1-(cyclohexylmethyl)-1H-indole-3-carboxylate (also known as BB-22 or QUCHIC)

(5) Quinolin-8-yl 1-(5-fluoropentyl)-1H-indole-3-carboxylate (also known as 5-Fluoro-PB-22 or 5-Fluoro-QUPIC)

(6) Quinolin-8-yl 1-pentyl-1H-indole-3-carboxylate (also known as PB-22 or QUPIC)

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