

HOUSE BILL No. 5812

May 24, 1990, Introduced by Reps. Brown, Bennane, Emerson, Pridnia, Hillegonds, Gilmer, Wartner and Ciaramitaro and referred to the Committee on Public Health.

A bill to amend sections 7212 and 7303 of Act No. 368 of the Public Acts of 1978, entitled as amended

"Public health code,"

section 7212 as amended by Act No. 352 of the Public Acts of 1982 and section 7303 as amended by Act No. 60 of the Public Acts of 1988, being sections 333.7212 and 333.7303 of the Michigan Compiled Laws.

THE PEOPLE OF THE STATE OF MICHIGAN ENACT:

1 Section 1. Sections 7212 and 7303 of Act No. 368 of the
2 Public Acts of 1978, section 7212 as amended by Act No. 352 of
3 the Public Acts of 1982 and section 7303 as amended by Act No. 60
4 of the Public Acts of 1988, being sections 333.7212 and 333.7303
5 of the Michigan Compiled Laws, are amended to read as follows:

1

2

3 Sec. 7212. (1) ~~The~~ EXCEPT AS PROVIDED IN SECTIONS 7214, 7216,
 4 7218, AND 7220, THE following controlled substances are included in
 5 schedule 1:

6

7 ~~(a) Any of the following opiates, including their isomers, esters, the~~
 8 ~~ethers, salts, and salts of isomers, esters, and ethers, unless specifically~~
 9 ~~excepted, when the existence of these isomers, esters, ethers, and salts is~~
 10 ~~possible within the specific chemical designation:~~

11

12

13	Acetylmethadol	Difenoxin	Noracymethadol
14	Allylprodine	Dimenoxadol	Norlevorphanol
15	Alpha-acetylmethadol	Dimepheptanol	Normethadone
16	Alphameprodine	Dimethylthiambutene	Norpipanone
17	Alphamethadol	Dioxaphetyl butyrate	Phenadoxone
18	Benzethidine	Dipipanone	Phenampromide
19	Betacetylmethadol	Ethylmethylthiambutene	Phenomorphane
20	Betameprodine	Etonitazene	Phenoperidine
21	Betamethadol	Etixeridine	Piritramide
22	Betaprodine	Furethidine	Proheptazine
23	Clonitazene	Hydroxypethidine	Properidine
24	Dextromoramide	Ketobemidone	Propiram

1 ~~Diampromide~~ ~~Levomoramide~~ ~~Racemoramide~~
 2 ~~Diethylthiambutene~~ ~~Levophenacylmorphane~~ ~~Trimeperidine~~
 3 ~~_____~~ ~~Morpheridine~~

4

5 ~~(b) Any of the following opium derivatives, their salts, isomers, and~~
 6 ~~salts of isomers, unless specifically excepted, when the existence of these~~
 7 ~~salts, isomers, and salts of isomers is possible within the specific chemical~~
 8 ~~designation:~~

9

10 ~~Acetorphine~~ ~~Drotebanol~~ ~~Morphine N-Oxide~~
 11 ~~Acetyldihydrocodeine~~ ~~Etorphin~~ ~~Myrophine~~
 12 ~~Benzylmorphine~~ ~~Heroin~~ ~~Nicocodeine~~ ~~Codeine~~
 13 ~~methylbromide~~ ~~Hydromorphenol~~ ~~Nicomorphine~~
 14 ~~Codeine N-Oxide~~ ~~Methyldesorphine~~ ~~Normorphine~~
 15 ~~Cyprenorphine~~ ~~Methyldihydromorphine~~ ~~Pholcodine~~
 16 ~~Desomorphine~~ ~~Morphine methylbromide~~ ~~Thebacon~~
 17 ~~Dihydromorphine~~ ~~Morphine methylsulfonate~~

18

19 ~~(c) Any material, compound, mixture, or preparation which contains any~~
 20 ~~quantity of the following hallucinogenic substances, their salts, isomers,~~
 21 ~~and salts of isomers, unless specifically excepted, when the existence of~~
 22 ~~these salts, isomers, and salts of isomers is possible within the specific~~
 23 ~~chemical designation:~~

24

25 ~~3, 4-methylenedioxy amphetamine~~
 26 ~~5-methoxy 3, 4-methylenedioxy~~

- 1 amphetamine
- 2 ~~3, 4, 5 trimethoxy amphetamine~~
- 3 Bufotenine
- 4 ~~Some trade and other names:~~
- 5 ~~3-(B-dimethylaminoethyl)-5-hydroxyindole~~
- 6 ~~3-(2-dimethylaminoethyl)-5-indolol~~
- 7 ~~N,N-dimethylserotonin; 5-hydroxy-N-dimethyltryptamine—Mappine~~
- 8 ~~2, 5-Dimethoxyamphetamine~~
- 9 ~~Some trade or other names:~~
- 10 ~~2, 5-Dimethoxy-α-methylphenethylamine; 2,5-DMA~~
- 11 ~~4-Bromo-2, 5-Dimethoxyamphetamine~~
- 12 ~~Some trade or other names:~~
- 13 ~~4-bromo-2, 5-dimethoxy-α-methylphenethylamine; 4-bromo~~
- 14 ~~2,5-DMA~~
- 15 Diethyltryptamine
- 16 ~~Some trade and other names:~~
- 17 ~~N,N-Diethyltryptamine; DET~~
- 18 Dimethyltryptamine
- 19 ~~Some trade or other names:~~
- 20 DMT
- 21 ~~4-methyl-2, 5-dimethoxyamphetamine~~
- 22 ~~Some trade and other names:~~
- 23 ~~4-methyl-2, 5-dimethoxy-α-methyl-phenethylamine~~
- 24 DOM, STP
- 25 ~~4-methoxyamphetamine~~
- 26 ~~Some trade or other names:~~

- 1 ~~4-methoxy-a-methylphenethylamine; paramethoxy amphetamine;~~
- 2 ~~PMA~~
- 3 ~~Ibogaine~~
- 4 ~~Some trade and other names:~~
- 5 ~~7-Ethyl-6,6a,7,8,9,10,12,13~~
- 6 ~~Octahydro-2-methoxy-6,9-methano-5H-~~
- 7 ~~pyrido-(1,2:1,2-azepino-4,5-b) indole~~
- 8 ~~tabernanthe-iboga~~
- 9 ~~Lysergic acid diethylamide~~
- 10 ~~Marihuana, except as otherwise provided in subsection (2) Mecloqualone~~
- 11 ~~Mescaline~~
- 12 ~~Peyote~~
- 13 ~~N-ethyl-3-piperidyl benzilate~~
- 14 ~~N-methyl-3-piperidyl benzilate~~
- 15 ~~Psilocybin~~
- 16 ~~Psilocyn~~
- 17 ~~Thiophene analog of phencyclidine~~
- 18 ~~Some trade or other names:~~
- 19 ~~1-(1-(2-thienyl)cyclohexyl)-piperidine)~~
- 20 ~~2-thienyl analog of phencyclidine; TCP~~
- 21
- 22 ~~(d) Except as provided in subsection (2), synthetic equivalents of the~~
- 23 ~~substances contained in the plant, or in the resinous extractives of~~
- 24 ~~cannabis and synthetic substances, derivatives, and their isomers with~~
- 25 ~~similar chemical structure or pharmacological activity, or both, such as the~~
- 26 ~~following, are included in schedule 1:~~

~~(i) Δ^1 cis or trans tetrahydrocannabinol, and their optical isomers.~~

~~(ii) Δ^6 cis or trans tetrahydrocannabinol, and their optical isomers.~~

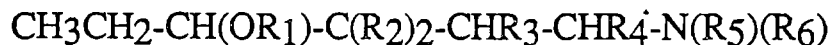
~~(iii) $\Delta^{3,4}$ cis or trans tetrahydrocannabinol, and their optical isomers.~~

~~(e) Compounds of structures of substances referred to in subdivision (d), regardless of numerical designation of atomic positions, are included.~~

~~(2) Marihuana and the substances described in subsection (1) (d) and (e) in schedule 1 shall be regulated as provided in schedule 2, if they are dispensed in the manner provided in sections 7335 and 7336.~~

~~(3) For purposes of subsection (1), "isomer" includes the optical, position, and geometric isomers.~~

a) Any compound of the formula,



including, but not limited to, acetylmethadol, alpha-acetylmethadol, alphamethadol, beta-acetylmethadol, betamethadol, dimepheptanol, and noracymethadol, in which all of the following circumstances exist:

(i) R₁ is 1 of the following:

(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

(D) -CO-C₆H₅, or a substituent that would be -CO-C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(ii) R₂ is -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(B) -F.

(C) -Cl.

(D) -CF₃.

(iii) R₃ is 1 of the following:

(A) -H.

- 1 (B) C₁ alkyl or C₂ alkyl.
- 2 (iv) R₄ is 1 of the following:
- 3 (A) -H.
- 4 (B) C₁ alkyl or C₂ alkyl.
- 5 (v) Either of the following circumstances exists:
- 6 (A) All of the following circumstances exist:
- 7 (i) R₅ is 1 of the following:
- 8 (a) -H.
- 9 (b) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
- 10 (c) -CH₂-CH=CH₂.
- 11 (ii) R₆ is 1 of the following:
- 12 (a) -H.
- 13 (b) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
- 14 (c) -CH₂-CH=CH₂.
- 15 (d) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.
- 16 (e) -CO-C₆H₅, or a substituent that would be -CO-C₆H₅
- 17 except that 1, 2, or 3 of the hydrogen atoms of
- 18 -C₆H₅ have been replaced by a corresponding
- 19 number of 1 or more of the following:
- 20 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(B) R₅ and R₆ are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

(v) A substituent that would be 1-piperazinyl except that the hydrogen atom at the fourth position of 1-piperazinyl is replaced by 1 of the following:

(a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(b) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(c) 2-pyrimidinyl or 4-pyrimidinyl.

(d) -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

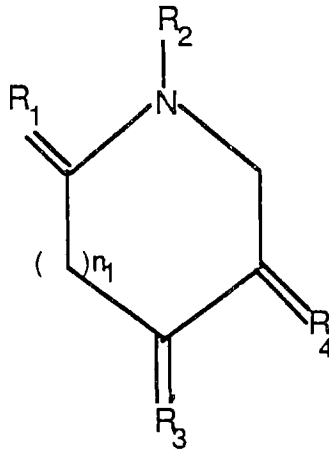
(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

b) Any compound of the formula,



including, but not limited to, allyprodine, alphameprodine, betameprodine, betaproline, proheptazine, trimeperidine, 1-methyl-4-phenyl-4-propionoxypiperidine, 1-(2-phenylethyl)-4-phenyl-4-acetoxypiperidine, 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP), and

1 1-(2-phenylethyl)-4-phenyl-1,2,3,6-tetrahydropyridine (PEPTP), in which all
2 of the following circumstances exist:

3 (i) n_1 is 1 or 2. When n is 2, a methylene group is added to the ring
4 expanding it from a 6-member ring to a 7-member ring.

5 (ii) R_1 is $\alpha\text{-}R_{1-1}:\beta\text{-}R_{1-2}$ in which one of R_{1-1} or R_{1-2} is -H and
6 the other of R_{1-1} or R_{1-2} is -H or C_1 alkyl or C_2 alkyl.

7 (iii) R_2 is 1 of the following:

8 (A) -H.

9 (B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

10 (C) $-\text{CH}_2\text{-CH=CH}_2$.

11 (D) C_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

12 (E) $-(\text{CH}_2)_{n_2}\text{-}R_{2-1}$ in which all of the following circumstances exist:

13 (i) n_2 is 1, 2, 3, or 4.

14 (ii) R_{2-1} is $-\text{C}_6\text{H}_5$, or a substituent that would be $-\text{C}_6\text{H}_5$ except
15 that 1, 2, or 3 of the hydrogen atoms of $-\text{C}_6\text{H}_5$ have been
16 replaced by a corresponding number of 1 or more of the
17 following:

18 (a) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

19 (b) -F.

20 (c) -Cl.

(d) -CF₃.

(iv) Either of the following circumstances exists:

(A) R₃ is R₃₋₁:R₃₋₂ and R₄ is R₄₋₁:R₄₋₂ in which one of R₃₋₁ or R₃₋₂ is taken together with one of R₄₋₁ or R₄₋₂ to form a double bond between the carbon atoms to which they are attached, the other of R₃₋₁ or R₃₋₂ is -C₆H₅, and the other of R₄₋₁ or R₄₋₂ is -H.

(B) R₃ is R₃₋₃:R₃₋₄, R₄ is alpha -R₄₋₃: beta -R₄₋₄, and all of the following circumstances exist:

(i) R₃₋₃ is -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(b) -F.

(c) -Cl.

(d) -CF₃.

(ii) R₃₋₄ is 1 of the following:

(a) -OH.

(b) -O-R₃₋₅ in which R₃₋₅ is 1 of the following:

- (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
- (ii) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.
- (iii) -CO-(CH₂)_{n3}-C₆H₅ in which n₃ is 1, 2, 3, or 4,
or a substituent that would be -CO-(CH₂)_{n3}-C₆H₅
in which n₃ is 1, 2, 3, or 4 except that 1, 2, or 3
of the hydrogen atoms of -C₆H₅ have been
replaced by a corresponding number of 1 or more
of the following:

- (A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
- (B) -F.
- (C) -Cl.
- (D) -CF₃.

- (iii) One of R₄₋₃ or R₄₋₄ is -H and the other of R₄₋₃ or R₄₋₄
is 1 of the following:

- (a) C₁ alkyl, C₂ alkyl, C₃ alkyl, C₄ alkyl, or C₅ alkyl.
- (b) -CH₂-CH=CH₂.
- (c) -CH₂-CH=CH-CH₃.

c) Any compound of the formula,



including, but not limited to, dextromoramide, dioxaphetyl butyrate, dipipanone, levomoramide, normethadone, norpipanone, phenadoxone, and racemoramide, in which all of the following circumstances exist:

(i) R_1 is any of the following:

(A) $-CN$.

(B) $-O-CO-R_8$, in which R_8 is C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(C) $-CO-R_9$ in which R_9 is 1 of the following:

(i) $-H$.

(ii) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(iii) $-O-R_{10}$ in which R_{10} is 1 of the following :

(a) $-H$.

(b) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(iv) $-N(R_{11})(R_{12})$ in which either of the following circumstances exists:

(a) R_{11} and R_{12} are the same or different but each is 1 of the following:

(i) $-H$.

(ii) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(iii) $-\text{CH}_2-\text{CH}=\text{CH}_2$.

(b) R_{11} and R_{12} are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

(v) A substituent that would be 1-piperazinyl except that the hydrogen atom at the fourth position of 1-piperazinyl is replaced by 1 of the following:

(A) -H.

(B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(C) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(D) 2-pyrimidinyl or 4-pyrimidinyl.

(E) C_6H_5 , or a substituent that would be $-\text{C}_6\text{H}_5$ except that 1, 2, or 3 of the hydrogen atoms of $-\text{C}_6\text{H}_5$ have been replaced by a corresponding number of 1 or more of the following:

(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(ii) R₂ is -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(B) -F.

(C) -Cl.

(D) -CF₃.

(iii) R₃ is -CH₂-C₆H₅, or a substituent that would be -CH₂-C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(B) -F.

(C) -Cl.

(D) -CF₃.

(iv) R₄ is 1 of the following:

(A) -H.

(B) C₁ alkyl or C₂ alkyl.

(v) R₅ is 1 of the following:

1 (A) -H.

2 (B) C₁ alkyl or C₂ alkyl.

3 (vi) Either of the following circumstances exists:

4 (A) R₆ and R₇ are the same or different but each is 1 of the
5 following:

6 (i) -H.

7 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

8 (iii) -CH₂-CH=CH₂.

9 (B) R₆ and R₇ are taken together with the attached nitrogen atom to
10 form a heterocyclic ring that is 1 of the following:

11 (i) 1-pyrrolidinyl.

12 (ii) 1-piperidinyl.

13 (iii) 1-morpholinyl.

14 (iv) 1-piperazinyl.

15 (v) A substituent that would be 1-piperazinyl except that the
16 hydrogen atom at the fourth position of 1-piperazinyl is
17 replaced by 1 of the following:

18 (a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

19 (b) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

20 (c) 2-pyrimidinyl or 4-pyrimidinyl.

(d) $-C_6H_5$, or a substituent that would be $-C_6H_5$ except that 1, 2, or 3 of the hydrogen atoms of $-C_6H_5$ have been replaced by a corresponding number of 1 or more of the following:

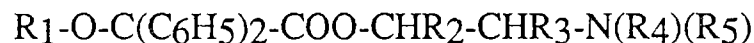
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) $-F$.

(iii) $-Cl$.

(iv) $-CF_3$.

d) Any compound of the formula,



including, but not limited to, dimenoxadol, in which all of the following circumstances exist:

(i) R_1 is 1 of the following:

(A) $-H$.

(B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) R_2 is 1 of the following:

(A) $-H$.

(B) C_1 alkyl or C_2 alkyl.

(iii) R₃ is 1 of the following:

(A) -H.

(B) C₁ alkyl or C₂ alkyl.

(iv) Either of the following circumstances exists:

(A) R₄ and R₅ are the same or different but each is 1 of the following:

(i) -H.

(ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(iii) -CH₂-CH=CH₂.

(B) R₄ and R₅ are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

(v) A substituent that would be 1-piperazinyl except that the hydrogen atom at the fourth position of 1-piperazinyl is replaced by 1 of the following:

(a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(b) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(c) 2-pyrimidinyl or 4-pyrimidinyl.

(d) $-C_6H_5$, or a substituent that would be $-C_6H_5$ except that 1, 2,

3 of the hydrogen atoms of $-C_6H_5$ have been replaced by

corresponding number of 1 or more of the following:

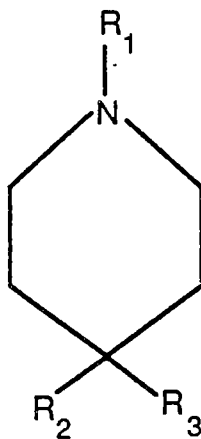
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) $-F$.

(iii) $-Cl$.

(iv) $-CF_3$.

e) Any compound of the formula,



including, but not limited to, benzethidine, etoxeridine, furethidine, hydroxypethidine, ketobemidone, morpheridine, phenoperidine, piritramide, properidine, and difenoxin, in which all of the following circumstances exist:

(i) R_1 is any of the following:

(A) -H.

(B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(C) $-CH_2-CH=CH_2$.

(D) C_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

(E) $-CO-CH_2-C_6H_5$, or a substituent that would be $-CO-CH_2-C_6H_5$

except that 1, 2, or 3 of the hydrogen atoms of $-C_6H_5$ have been replaced by a corresponding number of 1 or more of the following:

(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) -F.

(iii) -Cl.

(iv) $-CF_3$.

(F) $-(CH_2)_{n_1}-O-(CH_2)_{n_2}-R_4$ in which all of the following circumstances exist:

(i) n_1 is 1, 2, 3, or 4.

(ii) n_2 is 1, 2, 3, or 4.

(iii) R_4 is 1 of the following:

(a) 2-tetrahydrofuranyl or 3-tetrahydrofuranyl.

(b) 2-tetrahydropyranyl, 3-tetrahydropyranyl, or
4-tetrahydropyranyl.

(c) $-C_6H_5$, or a substituent that would be $-C_6H_5$ except
that 1, 2, or 3 of the hydrogen atoms of $-C_6H_5$ have
been replaced by a corresponding number of 1 or
more of the following:

(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) $-F$.

(iii) $-Cl$.

(iv) $-CF_3$.

(v) $-O-R_5$ in which R_5 is 1 of the following:

(A) $-H$.

(B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(C) C_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

(G) $-(CH_2)_{n_3}-N(R_6)(R_7)$ in which all of the following
circumstances exist:

(i) n_3 is 1, 2, 3, or 4.

(ii) Either of the following circumstances exists:

(a) All of the following circumstances exist:

(i) R_6 is 1 of the following:

(A) -H.

(B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(C) $-CH_2-CH=CH_2$.

(D) $-C_6H_5$.

(ii) R_7 is 1 of the following:

(A) -H.

(B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(C) $-CH_2-CH=CH_2$.

(b) R_6 and R_7 are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

(v) A substituent that would be 1-piperazinyl except that the hydrogen atom at the fourth position of 1-piperazinyl is replaced by 1 of the following:

(A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(B) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(C) 2-pyrimidinyl or 4-pyrimidinyl.

(D) -C₆H₅, or a substituent that would be -C₆H₅

except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(H) -(CH₂)_{n₄}-C(R₈)(R₉)(R₁₀) in which all of the following circumstances exist:

(i) n₄ is 1, 2, 3, or 4.

(ii) R₈ and R₉ are the same or different but each is 1 of the following:

- 1 (a) -H.
- 2 (b) -C₆H₅, or a substituent that would be -C₆H₅ except
- 3 that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have
- 4 been replaced by a corresponding number of 1 or
- 5 more of the following:
- 6 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
- 7 (ii) -F.
- 8 (iii) -Cl.
- 9 (iv) -CF₃.
- 10 (iii) R₁₀ is 1 of the following:
- 11 (a) -CN.
- 12 (b) -O-R₁₁ in which R₁₁ is 1 of the following:
- 13 (i) -H.
- 14 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
- 15 (iii) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.
- 16 (c) -C₆H₅, or a substituent that would be -C₆H₅ except
- 17 that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have
- 18 been replaced by a corresponding number of 1 or
- 19 more of the following:
- 20 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(v) -NH₂.

(ii) R₂ is -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(B) -F.

(C) -Cl.

(D) -CF₃.

(E) -O-R₁₂ in which R₁₂ is 1 of the following:

(i) -H.

(ii) C₁ alkyl or C₂ alkyl.

(iii) C₁ acyl, C₂ acyl, or C₃ acyl.

(iv) -N(R₁₃)(R₁₄) in which either of the following circumstances exists:

(a) R₁₃ and R₁₄ are the same or different, but each is 1 of the following:

(i) -H.

1 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

2 (iii) -CH₂-CH=CH₂.

3 (b) R₁₃ and R₁₄ are taken together with the attached
4 nitrogen atom to form a heterocyclic ring that is 1 of
5 the following:

6 (i) 1-pyrrolidinyl.

7 (ii) 1-piperidinyl.

8 (iii) 1-morpholinyl.

9 (iv) 1-piperazinyl.

10 (v) A substituent that would be 1-piperazinyl except
11 that the hydrogen atom at the fourth position of
12 1-piperazinyl is replaced by 1 of the following:

13 (A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

14 (B) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

15 (C) 2-pyrimidinyl or 4-pyrimidinyl.

16 (D) -C₆H₅, or a substituent that would be -C₆H₅

17 except that 1, 2, or 3 of the hydrogen atoms of
18 -C₆H₅ have been replaced by a corresponding
19 number of 1 or more of the following:

20 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(iii) R₃ is 1 of the following:

(A) -CN.

(B) -CO-R₁₅ in which R₁₅ is 1 of the following:

(i) -OH.

(ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(iii) C₁ alkoxy, C₂ alkoxy, C₃ alkoxy, or C₄ alkoxy.

(iv) -N(R₁₆)(R₁₇) in which either of the following circumstances exists:

(a) R₁₆ and R₁₇ are the same or different, but each is 1 of the following:

(i) -H.

(ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(iii) -CH₂-CH=CH₂.

(b) R₁₆ and R₁₇ are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

(v) A substituent that would be 1-piperazinyl except that the hydrogen atom at the fourth position of 1-piperazinyl is replaced by 1 of the following:

(A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(B) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(C) 2-pyrimidinyl or 4-pyrimidinyl.

(D) -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

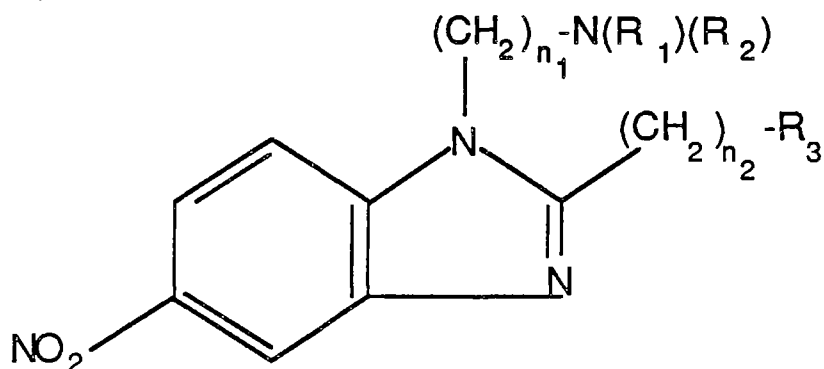
(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

1 f) Any compound of the formula,



including, but not limited to, clonitazene and etonitazene, in which all of the following circumstances exist:

- (i) n_1 is 1, 2, 3, or 4.
- (ii) n_2 is 1, 2, 3, or 4.
- (iii) Either of the following circumstances exists:

(A) R_1 and R_2 are the same or different, but each is 1 of the following:

- (i) -H.
- (ii) C_1 alkyl, C_2 alkyl, or C_3 alkyl.
- (iii) $-CH_2-CH=CH_2$.

(B) R_1 and R_2 are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

- (i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

(v) A substituent that would be 1-piperazinyl except that the hydrogen atom at the fourth position of 1-piperazinyl is replaced by 1 of the following:

(a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(b) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(c) 2-pyrimidinyl or 4-pyrimidinyl.

(d) -C₆H₅, or a substituent that would be -C₆H₅ except that 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(iv) R₃ is -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(B) -F.

(C) -Cl.

(D) -CF₃.

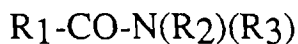
(E) -O-R₄ in which R₄ is 1 of the following:

(i) -H.

(ii) C₁ alkyl or C₂ alkyl.

(iii) C₁ acyl, C₂ acyl, or C₃ acyl.

g) Any compound of the formula,



including, but not limited to, diampromide, phenampromide, and propiram, in which all of the following circumstances exist:

(i) R₁ is C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) R₂ is 1 of the following:

(A) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(B) 2-pyrimidinyl or 4-pyrimidinyl.

(C) $-C_6H_5$, or a substituent that would be $-C_6H_5$ except that 1, 2, or 3 of the hydrogen atoms of $-C_6H_5$ have been replaced by a corresponding number of 1 or more of the following:

(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) $-F$.

(iii) $-Cl$.

(iv) $-CF_3$.

(iii) R_3 is $-C(H)(R_4)-C(H)(R_5)-N(R_6)(R_7)$ in which all of the following circumstances exist:

(A) R_4 is 1 of the following:

(i) $-H$.

(ii) C_1 alkyl or C_2 alkyl.

(B) R_5 is 1 of the following:

(i) $-H$.

(ii) C_1 alkyl or C_2 alkyl.

(C) Either of the following circumstances exists:

(i) R_6 and R_7 are the same or different, but each is 1 of the following:

(a) $-H$.

(b) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

1 (c) $-\text{CH}_2-\text{CH}=\text{CH}_2$.

2 (d) $-(\text{CH}_2)_{n_1}-\text{C}_6\text{H}_5$ in which n_1 is 1, 2, or 3, or a
3 substituent that would be $-(\text{CH}_2)_{n_1}-\text{C}_6\text{H}_5$ in which n_1
4 is 1, 2, or 3 except that 1, 2, or 3 of the hydrogen
5 atoms of $-\text{C}_6\text{H}_5$ have been replaced by a
6 corresponding number of 1 or more of the following:

7 (i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

8 (ii) $-\text{F}$.

9 (iii) $-\text{Cl}$.

10 (iv) $-\text{CF}_3$.

11 (ii) R_6 and R_7 are taken together with the attached nitrogen
12 atom to form a heterocyclic ring that is 1 of the following:

13 (a) 1-pyrrolidinyl.

14 (b) 1-piperidinyl.

15 (c) 1-morpholinyl.

16 (d) 1-piperazinyl.

17 (e) A substituent that would be 1-piperazinyl except that the
18 hydrogen atom at the fourth position of 1-piperazinyl is
19 replaced by 1 of the following:

20 (i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(iii) 2-pyrimidinyl, or 4-pyrimidinyl.

(iv) $-C_6H_5$, or a substituent that would be $-C_6H_5$ except that 1, 2, or 3 of the hydrogen atoms of $-C_6H_5$ have been replaced by a corresponding number of 1 or more of the following:

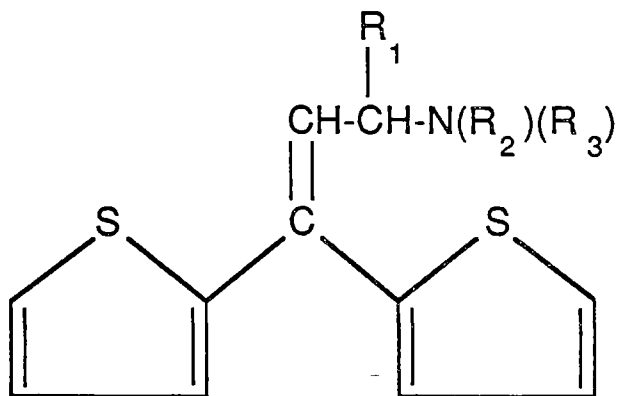
(a) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(b) $-F$.

(c) $-Cl$.

(d) $-CF_3$.

h) Any compound of the formula,



including, but not limited to, diethylthiambutene, dimethylthiambutene, and ethylmethylthiambutene, in which all of the following circumstances exist:

(i) R_1 is 1 of the following:

(A) -H.

(B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(C) $-CH_2-CH=CH_2$.

(ii) Either of the following circumstances exists:

(A) R_2 and R_3 are the same or different, but each is 1 of the following:

(i) -H.

(ii) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(iii) $-CH_2-CH=CH_2$.

(B) R_2 and R_3 are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

1 (v) A substituent that would be 1-piperazinyl except that the
2 hydrogen atom at the fourth position of 1-piperazinyl is
3 replaced by 1 of the following:

4 (a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

5 (b) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

6 (c) 2-pyrimidinyl or 4-pyrimidinyl.

7 (d) -C₆H₅, or a substituent that would be -C₆H₅ except that
8 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been
9 replaced by a corresponding number of 1 or more of
10 the following:

11 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

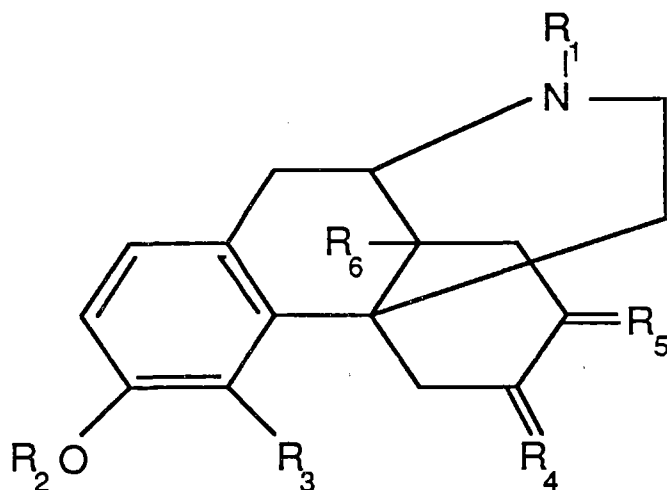
12 (ii) -F.

13 (iii) -Cl.

14 (iv) -CF₃.

1 i) Any compound of the formula,

2



3

4 including, but not limited to, levophenacymorphan, norlevorphanol,
 5 phenomorphan, thebacon, and drotebanol, in which all of the following
 6 circumstances exist:

7 (i) R_1 is 1 of the following:

8 (A) -H.

9 (B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

10 (C) $-CH_2-CH=CH_2$.

11 (D) C_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

12 (E) $-(CH_2)_{n_1}-C_6H_5$ in which n_1 is 1, 2, 3, or 4, or a substituent that
 13 would be $-(CH_2)_{n_1}-C_6H_5$ in which n_1 is 1, 2, 3, or 4 except that
 14 1, 2, or 3 of the hydrogen atoms of $-C_6H_5$ have been replaced by
 15 a corresponding number of 1 or more of the following:

1 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

2 (ii) -F.

3 (iii) -Cl.

4 (iv) -CF₃.

5 (F) -(CH₂)_{n₂}-CO-C₆H₅ in which n₂ is 1, 2, 3, or 4, or a substituent
6 that would be -(CH₂)_{n₂}-CO-C₆H₅ in which n₂ is 1, 2, 3, or 4
7 except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been
8 replaced by a corresponding number of 1 or more of the
9 following:

10 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

11 (ii) -F.

12 (iii) -Cl.

13 (iv) -CF₃.

14 (ii) R₂ is 1 of the following:

15 (A) -H.

16 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

17 (C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

18 (iii) R₃ is 1 of the following:

19 (A) -H.

20 (B) -OH.

(C) C₁ alkoxy, C₂ alkoxy, or C₃ alkoxy.

(iv) Either of the following circumstances exists:

(A) R₄ is R₄₋₁:R₄₋₂ and R₅ is R₅₋₁:R₅₋₂ in which all of the following circumstances exist:

(i) One of R₄₋₁ or R₄₋₂ is taken together with 1 of R₅₋₁ or R₅₋₂ to form a double bond between the carbon atoms to which they are attached.

(ii) The other of R₄₋₁ or R₄₋₂ is C₁ acyloxy, C₂ acyloxy, C₃ acyloxy, or C₄ acyloxy.

(iii) The other of R₅₋₁ or R₅₋₂ is -H.

(B) Both of the following circumstances exist:

(i) R₄ is 1 of the following:

(a) -H:-H.

(b) -H: -O-R₄₋₃ in which R₄₋₃ is 1 of the following:

(i) -H.

(ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(iii) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

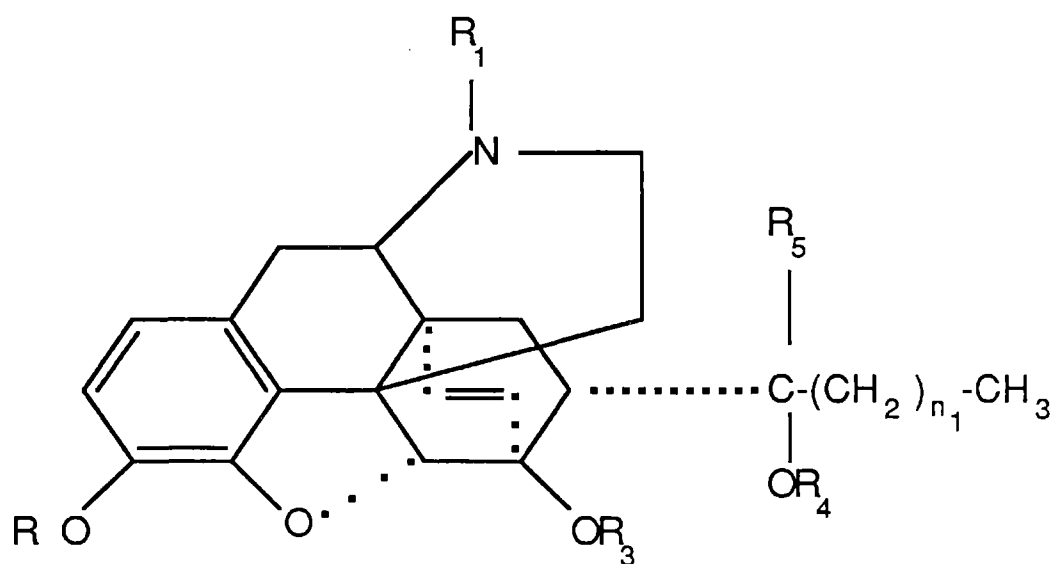
(ii) R₅ is -H:-H.

(v) R₆ is 1 of the following:

(A) -H.

(B) -OH.

j) Any compound of the formula,



including, but not limited to, acetorphine, cyprenorphine, and etorphine in which all of the following circumstances exist:

(i) R₁ is 1 of the following:

(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

(D) -CH₂-CH=CH₂.

(E) cyclopropylmethyl.

(ii) R₂ is 1 of the following:

(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

(iii) R₃ is 1 of the following:

(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

(iv) R₄ is 1 of the following:

(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

(v) R₅ is 1 of the following:

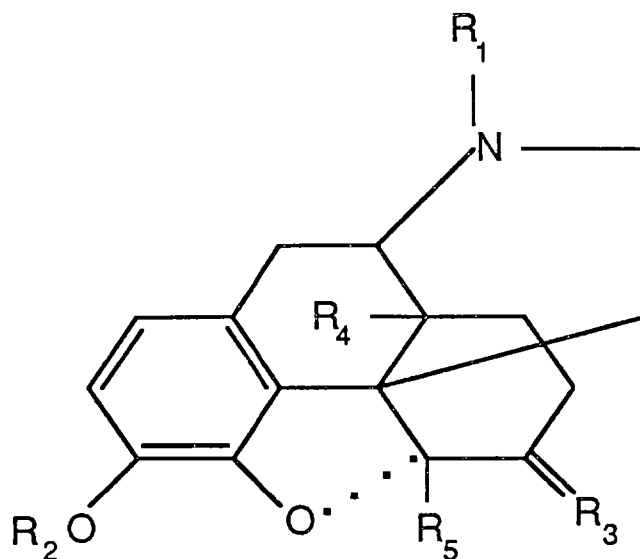
(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(vi) n₁ is 0, 1, 2, 3, or 4.

1 k) Any compound of the formula,

2



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4

5 including, but not limited to, acetyldihydrocodeine, desomorphine,
 6 hydromorphenol, and methylhydromorphine, in which all of the following
 7 circumstances exist:

8

9 (i) R_1 is 1 of the following:

10

(A) -H.

11

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

12

(C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

13

(D) -CH₂-CH=CH₂.

14

(E) cyclopropylmethyl.

1 (ii) R₂ is 1 of the following:

2 (A) -H.

3 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

4 (C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

5 (iii) R₃ is 1 of the following:

6 (A) =O.

7 (B) R₃₋₁:R₃₋₂ in which all of the following circumstances exist:

8 (i) R₃₋₁ is 1 of the following:

9 (a) -H.

10 (b) C₁ alkyl or C₂ alkyl.

11 (ii) R₃₋₂ is 1 of the following:

12 (a) -H.

13 (b) -O-R₃₋₃, in which R₃₋₃ is 1 of the following:

14 (i) -H.

15 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

16 (iii) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

17 (iv) R₄ is 1 of the following:

18 (A) -H.

19 (B) -OH.

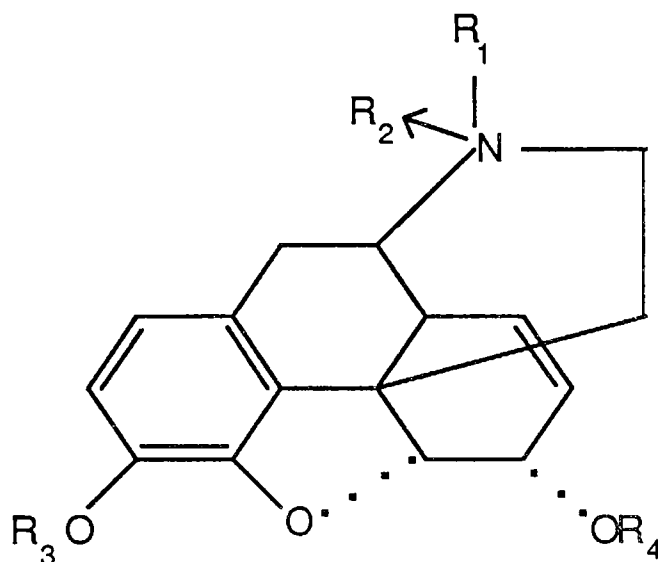
20 (v) R₅ is 1 of the following:

1 (A) -H.

2 (B) -CH₃.

3 1) Any compound of the formula,

4



5

6

7 including, but not limited to, benzylmorphine, codeine methylbromide,
 8 codeine-N-oxide, heroin, methylbromide, morphine methylsulfonate,
 9 morphine-N-oxide, myrophine, nicocodeine, nicomorphine, normorphine,
 10 and pholcodine, in which all of the following circumstances exist:

11 (i) R₁ is 1 of the following:

12 (A) -H.

13 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

14 (C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

1 (D) $-\text{CH}_2-\text{CH}=\text{CH}_2$.

2 (E) cyclopropylmethyl.

3 (ii) R_2 does not exist or is 1 of the following:

4 (A) C_1 alkyl.

5 (B) N-oxide.

6 (iii) R_3 is 1 of the following:

7 (A) $-\text{H}$.

8 (B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

9 (C) C_1 acyl, C_2 acyl, C_3 acyl, C_4 acyl, C_5 acyl, C_6 acyl, C_7 acyl,

10 C_8 acyl, C_9 acyl, C_{10} acyl, C_{11} acyl, C_{12} acyl, C_{13} acyl,

11 C_{14} acyl, C_{15} acyl, C_{16} acyl, C_{17} acyl, or C_{18} acyl.

12 (D) nicotinyl.

13 (E) $-(\text{CH}_2)_{n_1}-\text{C}_6\text{H}_5$ in which n_1 is 1, 2, 3, or 4, or a substituent that

14 would be $-(\text{CH}_2)_{n_1}-\text{C}_6\text{H}_5$ in which n_1 is 1, 2, 3, or 4 except that 1,

15 2, or 3 of the hydrogen atoms of $-\text{C}_6\text{H}_5$ have been replaced by a

16 corresponding number of 1 or more of the following:

17 (i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

18 (ii) $-\text{F}$.

19 (iii) $-\text{Cl}$.

20 (iv) $-\text{CF}_3$.

(F) $-(\text{CH}_2)_{n_2}-\text{N}(\text{R}_5)(\text{R}_6)$ in which all of the following circumstances

exist:

(i) n_2 is 1, 2, 3, or 4.

(ii) Either of the following circumstances exists:

(a) R_5 and R_6 are the same or different but each is 1 of the following:

(i) $-\text{H}$.

(ii) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(iii) $-\text{CH}_2-\text{CH}=\text{CH}_2$.

(b) R_5 and R_6 are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

(v) A substituent that would be 1-piperazinyl except that hydrogen atom of the fourth position of 1-piperaziny replaced by 1 of the following:

(A) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(B) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(C) 2-pyrimidinyl or 4-pyrimidinyl.

(D) -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(iv) R₄ is 1 of the following:

(A) -H.

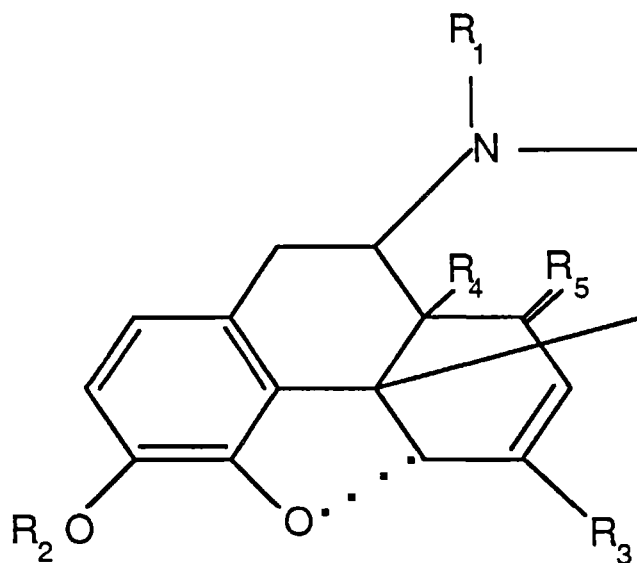
(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) C₁ acyl, C₂ acyl, C₃ acyl, C₄ acyl, C₅ acyl, C₆ acyl, C₇ acyl, C₈ acyl, C₉ acyl, C₁₀ acyl, C₁₁ acyl, C₁₂ acyl, C₁₃ acyl, C₁₄ acyl, C₁₅ acyl, C₁₆ acyl, C₁₇ acyl, or C₁₈ acyl.

(D) nicotinyl.

1 m) Any compound of the formula,

2



3

4 including, but not limited to, methyldesorphine and thebaine, in which all of
5 the following circumstances exist:

6 (i) R₁ is 1 of the following:

7 (A) -H.

8 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

9 (C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

10 (D) -CH₂-CH=CH₂.

11 (E) cyclopropylmethyl.

12 (ii) R₂ is 1 of the following:

13 (A) -H.

14 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) C₁ acyl, C₂ acyl, C₃ acyl, C₄ acyl, C₅ acyl, C₆ acyl, C₇ acyl,
C₈ acyl, C₉ acyl, C₁₀ acyl, C₁₁ acyl, C₁₂ acyl, C₁₃ acyl,
C₁₄ acyl, C₁₅ acyl, C₁₆ acyl, C₁₇ acyl, or C₁₈ acyl.

(D) nicotiny.

(E) $-(\text{CH}_2)_{n_1}-\text{C}_6\text{H}_5$ in which n_1 is 1, 2, 3, or 4, or a substituent that
would be $-(\text{CH}_2)_{n_1}-\text{C}_6\text{H}_5$ in which n_1 is 1, 2, 3, or 4 except that 1,
2, or 3 of the hydrogen atoms of $-\text{C}_6\text{H}_5$ have been replaced by a
corresponding number of 1 or more of the following:

(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(F) $-(\text{CH}_2)_{n_2}-\text{N}(\text{R}_6)(\text{R}_7)$ in which all of the following circumstances
exist:

(i) n_2 is 1, 2, 3, or 4.

(ii) Either of the following circumstances exists:

(a) R₆ and R₇ are the same or different but each is 1 of the
following:

(i) -H.

(ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

1 (iii) $-\text{CH}_2-\text{CH}=\text{CH}_2$.

2 (b) R₆ and R₇ are taken together with the attached nitrogen
3 atom to form a heterocyclic ring that is 1 of the
4 following:

5 (i) 1-pyrrolidinyl.

6 (ii) 1-piperidinyl.

7 (iii) 1-morpholinyl.

8 (iv) 1-piperazinyl.

9 (v) A substituent that would be 1-piperazinyl except that
10 the hydrogen atom at the fourth position of
11 1-piperazinyl is replaced by 1 of the following:

12 (A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

13 (B) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

14 (C) 2-pyrimidinyl or 4-pyrimidinyl.

15 (D) $-\text{C}_6\text{H}_5$, or a substituent that would be $-\text{C}_6\text{H}_5$
16 except that 1, 2, or 3 of the hydrogen atoms of
17 $-\text{C}_6\text{H}_5$ have been replaced by a corresponding
18 number of 1 or more of the following:

19 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

20 (ii) $-\text{F}$.

(iii) -Cl.

(iv) -CF₃.

(iii) R₃ is 1 of the following:

(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) -O-R₈ in which R₈ is 1 of the following:

(i) -H.

(ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(iv) Either of the following circumstances exists:

(A) Both of the following circumstances exist:

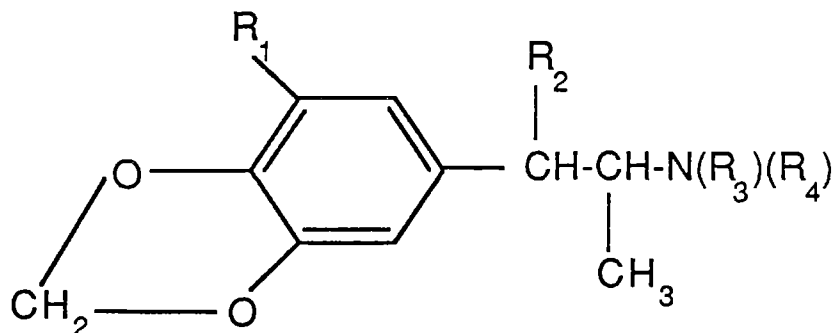
(i) R₄ is -H.

(ii) R₅ is -H:-H.

(B) R₅ is R₅₋₁: R₅₋₂ in which 1 of R₅₋₁ or R₅₋₂ is taken together with R₄ to form a double bond between the carbon atoms to which they are attached, and the other of R₅₋₁ or R₅₋₂ is -H.

1 n) Any compound of the formula,

2



3

4 including, but not limited to, 3, 4-methylenedioxyamphetamine (MDA),

5 5-methoxy-3, 4-methylenedioxyamphetamine,

6 3, 4-methylenedioxyethamphetamine (MDEA),

7 3, 4-methylenedioxymethamphetamine (MDMA), and

8 N-hydroxy-3,4-methylenedioxyamphetamine, in which all of the following

9 circumstances exist:

10 (i) R₁ is 1 of the following:

11 (A) -H.

12 (B) -O-R₅ in which R₅ is 1 of the following:

13 (i) -H.

14 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

15 (iii) -C₁₄ acyl.

16 (ii) R₂ is 1 of the following:

1 (A) -H.

2 (B) C₁ alkyl.

3 (iii) Either of the following circumstances exists:

4 (A) R₃ and R₄ are the same or different but each is 1 of the following:

5 (i) -H.

6 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

7 (iii) -CH₂-CH=CH₂.

8 (iv) -OH.

9 (B) R₃ and R₄ are taken together with the attached nitrogen atom to
10 form a heterocyclic ring that is 1 of the following:

11 (i) 1-pyrrolidinyl.

12 (ii) 1-piperidinyl.

13 (iii) 1-morpholinyl.

14 (iv) 1-piperazinyl.

15 (v) A substituent that would be 1-piperazinyl except that the
16 hydrogen atom at the fourth position of 1-piperazinyl is
17 replaced by 1 of the following:

18 (a) -H.

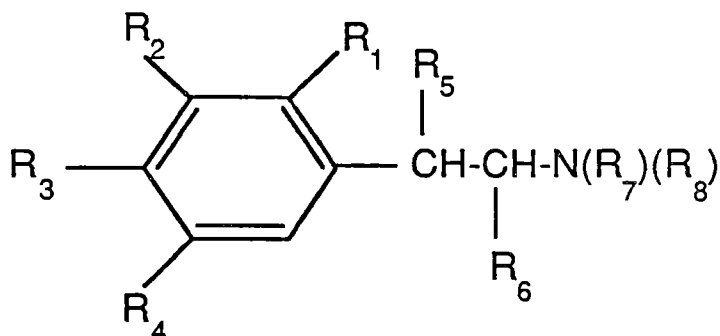
19 (b) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

20 (c) -F.

(d) -Cl.

(e) -CF₃.

o) Any compound of the formula,



including, but not limited to, 3, 4, 5-trimethoxyamphetamine, 2, 5-dimethoxy-4-methylamphetamine, 2, 5-dimethoxy-4-methylamphetamine, mescaline, peyote, 2, 5-dimethoxyamphetamine, 4-bromo-2, 5-dimethoxyamphetamine, 4-methoxyamphetamine, N-ethylamphetamine, and amphetamine, in which all of the following circumstances exist:

(i) Both of the following circumstances exist:

(A) R₁, R₂, R₃, and R₄ are the same or different but each is 1 of the following:

(i) -H.

(ii) -F.

- 1 (iii) -Cl.
- 2 (iv) -Br.
- 3 (v) -CF₃.
- 4 (vi) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
- 5 (vii) -CH₂-CH=CH₂.
- 6 (viii) -O-R₉ in which R₉ is 1 of the following:
 - 7 (a) -H.
 - 8 (b) C₁ alkyl or C₂ alkyl.
 - 9 (c) C₁ acyl, C₂ acyl, or C₃ acyl.
- 10 (B) At least 1 of R₁, R₂, R₃, or R₄ is -H.
- 11 (ii) R₅ and R₆ are the same or different but each is 1 of the following:
 - 12 (A) -H.
 - 13 (B) C₁ alkyl.
- 14 (iii) Either of the following circumstances exists:
 - 15 (A) Both of the following circumstances exist:
 - 16 (i) R₇ is 1 of the following:
 - 17 (a) -H.
 - 18 (b) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
 - 19 (c) -CH₂-CH=CH₂.
 - 20 (d) -OH.

1 (ii) R₈ is 1 of the following:

2 (a) -H.

3 (b) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

4 (c) -CH₂-CH=CH₂.

5 (B) R₇ and R₈ are taken together with the attached nitrogen atom to
6 form a heterocyclic ring that is 1 of the following:

7 (i) 1-pyrrolidinyl.

8 (ii) 1-piperidinyl.

9 (iii) 1-morpholinyl.

10 (iv) 1-piperazinyl.

11 (v) A substituent that would be 1-piperazinyl except that the
12 hydrogen atom at the fourth position of 1-piperazinyl is
13 replaced by 1 of the following:

14 (a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

15 (b) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

16 (c) 2-pyrimidinyl or 4-pyrimidinyl.

17 (d) -C₆H₅, or a substituent that would be -C₆H₅ except
18 that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have
19 been replaced by a corresponding number of 1 or
20 more of the following:

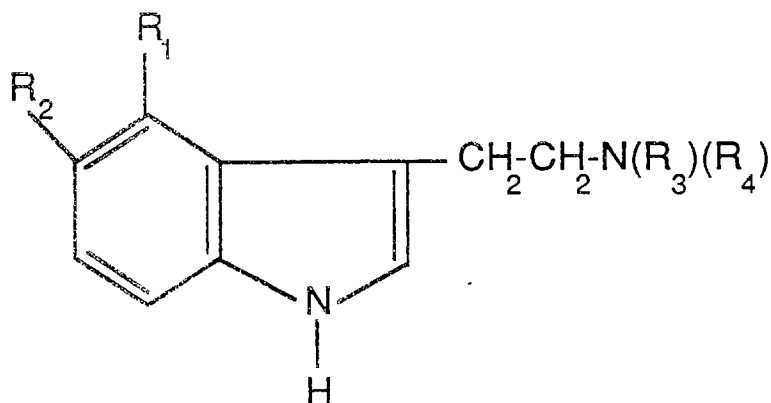
(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

p) Any compound of the formula,



including, but not limited to, bufotenine, N, N-diethyltryptamine, N, N-dimethyltryptamine, psilocybin, and psilocyn, in which all of the following circumstances exist:

(i) R₁ is 1 of the following:

(A) -H.

(B) -O-R₅ in which R₅ is 1 of the following:

(i) -H.

(ii) -P(O)(OH)₂.

(iii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(iv) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

(ii) Both of the following circumstances exist:

(A) R₂ is 1 of the following:

(i) -H.

(ii) -O-R₆ in which R₆ is 1 of the following:

(a) -H.

(b) -P(O)(OH)₂.

(c) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(d) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

(B) At least 1 of R₁ or R₂ is -H.

(iii) Either of the following circumstances exists:

(A) R₃ and R₄ are the same or different but each is 1 of the following:

(i) -H.

(ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(iii) -CH₂-CH=CH₂.

(B) R₃ and R₄ are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

1 (iv) 1-piperazinyl.

2 (v) A substituent that would be 1-piperazinyl except that the
3 hydrogen atom at the fourth position of 1-piperazinyl is
4 replaced by 1 of the following:

5 (a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

6 (b) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

7 (c) 2-pyrimidinyl or 4-pyrimidinyl.

8 (d) -C₆H₅, or a substituent that would be -C₆H₅ except that
9 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been
10 replaced by a corresponding number of 1 or more of the
11 following:

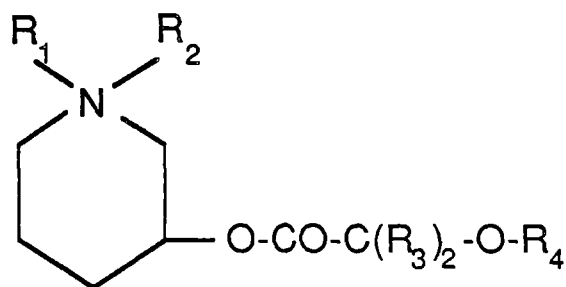
12 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

13 (ii) -F.

14 (iii) -Cl.

15 (iv) -CF₃.

1 q) Any compound of the formula,



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3
4 including, but not limited to, N-ethyl-3-piperidyl benzilate and
5 N-methyl-3-piperidyl benzilate, in which all of the following circumstances
6 exist:

7 (i) R_1 does not exist or is 1 of the following:

8 (A) -H.

9 (B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

10 (C) C_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

11 (D) $-\text{CH}_2-\text{CH}=\text{CH}_2$.

12 (E) $-(\text{CH}_2)_{n_1}-\text{R}_5$ in which all of the following circumstances exist:

13 (i) n_1 is 1, 2, 3, or 4.

14 (ii) R_5 is $-\text{C}_6\text{H}_5$, or a substituent that would be $-\text{C}_6\text{H}_5$ except that

15 1, 2, or 3 of the hydrogen atoms of $-\text{C}_6\text{H}_5$ have been replaced

16 by a corresponding number of 1 or more of the following:

17 (a) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

1 (b) -F.

2 (c) -Cl.

3 (d) -CF₃.

4 (ii) R₂ is 1 of the following:

5 (A) -H.

6 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

7 (C) -CH₂-CH=CH₂.

8 (iii) R₃ is -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3
9 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding

10 number of 1 or more of the following:

11 (A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

12 (B) -F.

13 (C) -Cl.

14 (D) -CF₃.

15 (iv) R₄ is 1 of the following:

16 (A) -H.

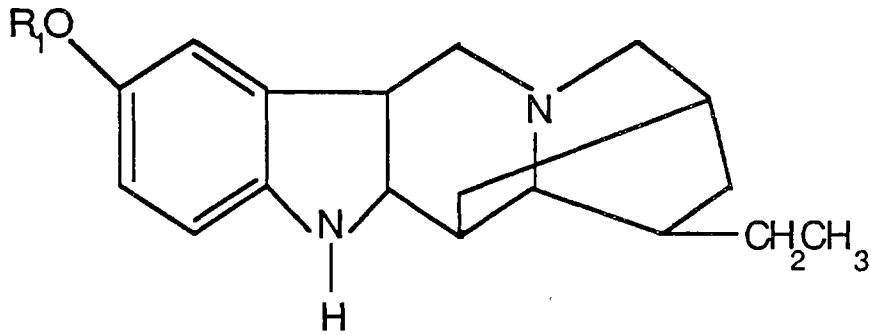
17 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

18 (C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

19

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1 r) Any compound of the formula,



including, but not limited to, ibogaine, in which R₁ is 1 of the following:

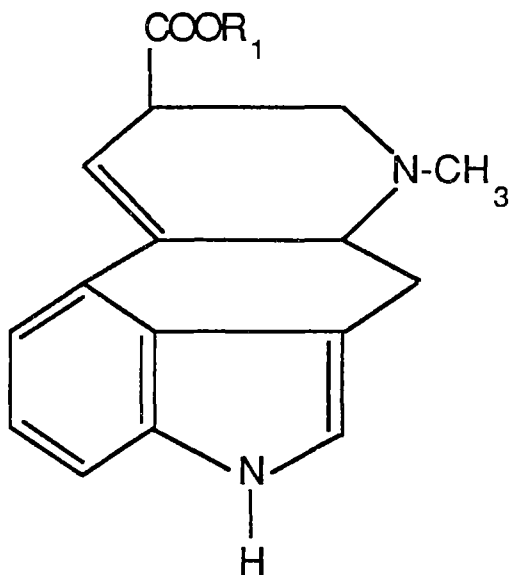
(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

1 s) Any compound of the formula,

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6 including, but not limited to, lysergic acid diethylamide (LSD), in which

7 R_1 is 1 of the following:

8 (A) -H.

9 (B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

10 (C) C_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

11 (D) -N(R_3)(R_4) in which either of the following circumstances exists:

12 (i) R_3 and R_4 are the same or different but each is 1 of the
13 following:

14 (a) -H.

1 (b) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

2 (c) -CH₂-CH=CH₂.

3 (ii) R₃ and R₄ are taken together with the attached nitrogen atom
4 to form a heterocyclic ring that is 1 of the following:

5 (a) 1-pyrrolidinyl.

6 (b) 1-piperidinyl.

7 (c) 1-morpholinyl.

8 (d) 1-piperazinyl.

9 (e) 1-piperazinyl, or a substituent that would be
10 1-piperazinyl except that the hydrogen atom at the
11 fourth position of 1-piperazinyl is replaced by 1 of the
12 following:

13 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

14 (ii) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

15 (iii) 2-pyrimidinyl or 4-pyrimidinyl.

16 (iv) -C₆H₅, or a substituent that would be -C₆H₅ except
17 that 1, 2, or 3 of the hydrogen atoms of -C₆H₅
18 have been replaced by 1 or more of the following:

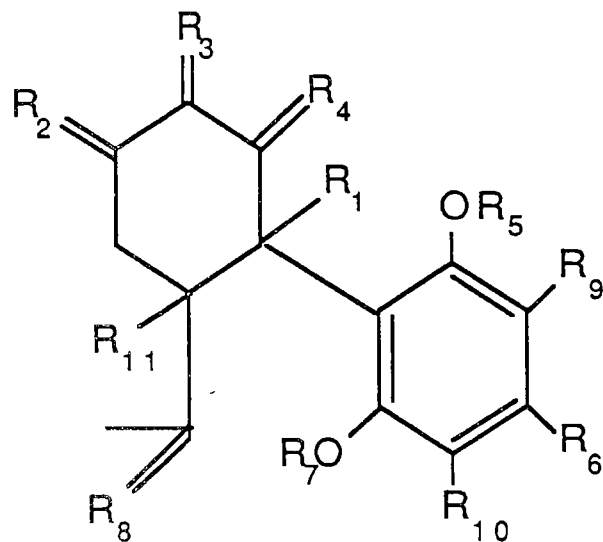
19 (A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

20 (B) -F.

(C) -Cl.

(D) -CF₃.

t) Any compound of the formula,



including, but not limited to, marihuana, tetrahydrocannabinols, and parahexyl, in which all of the following circumstances exist:

(i) One of the following circumstances exists:

(A) All of the following circumstances exist:

(i) R₂ is R₂₋₁:R₂₋₂ and R₃ is R₃₋₁:R₃₋₂ in which all of the following circumstances exist:

1 (a) One of R₂₋₁ or R₂₋₂ is taken together with 1 of R₃₋₁ or
2 R₃₋₂ to form a double bond between the carbon atoms
3 to which they are attached.

4 (b) The other of R₂₋₁ or R₂₋₂ is -H.

5 (c) The other of R₃₋₁ or R₃₋₂ is C₁ alkyl, C₂ alkyl, or
6 C₃ alkyl, or -CH₂-O-R₃₋₃ in which R₃₋₃ is 1 of the
7 following:

8 (i) -H.

9 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

10 (iii) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

11 (ii) R₄ is -H:-H.

12 (iii) R₁ is alpha-H.

13 (iv) R₁₁ is beta-H.

14 (B) All of the following circumstances exist:

15 (i) R₃ is R₃₋₄:R₃₋₅ and R₄ is R₄₋₁:R₄₋₂ in which all of the
16 following circumstances exist:

17 (a) One of R₃₋₄ or R₃₋₅ is taken together with 1 of R₄₋₁ or
18 R₄₋₂ to form a double bond between the carbon atoms
19 to which they are attached.

20 (b) The other of R₃₋₄ or R₃₋₅ is 1 of the following:

(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -CH₂-O-R₃₋₆ in which R₃₋₆ is 1 of the following:

(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

(c) The other of R₄₋₁ or R₄₋₂ is -H.

(ii) R₂ is -H:-H.

(iii) R₁ is alpha-H.

(iv) R₁₁ is beta-H.

(C) All of the following circumstances exist:

(i) R₁ and R₁₁ are taken together form a double bond between the carbon atoms to which they are attached.

(ii) R₂ and R₄ are each -H:-H.

(iii) R₃ is -H:R₃₋₇ in which R₃₋₇ is 1 of the following:

(a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(b) -CH₂-O-R₃₋₈ in which R₃₋₈ is 1 of the following:

(i) -H.

(ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(iii) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

(D) All of the following circumstances exist:

- 1 (i) R₁ is -H.
- 2 (ii) R₂ is -H:-H.
- 3 (iii) R₃ is =O.
- 4 (iv) R₄ is -H:-H.
- 5 (v) R₁₁ is -H.
- 6 (ii) R₅ is 1 of the following:
- 7 (A) -H.
- 8 (B) C₁ alkyl or C₂ alkyl.
- 9 (C) C₁ acyl, C₂ acyl, or C₃ acyl.
- 10 (iii) R₆ is 1 of the following:
- 11 (A) C₁ alkyl, C₂ alkyl, C₃ alkyl, C₄ alkyl, C₅ alkyl, C₆ alkyl,
- 12 C₇ alkyl, C₈ alkyl, C₉ alkyl, or C₁₀ alkyl.
- 13 (B) C₂ alkenyl, C₃ alkenyl, C₄ alkenyl, C₅ alkenyl, C₆ alkenyl,
- 14 C₇ alkenyl, C₈ alkenyl, C₉ alkenyl, or C₁₀ alkenyl.
- 15 (iv) Either of the following circumstances exists:
- 16 (A) R₈ is R₈₋₁:R₈₋₂ in which both of the following circumstances
- 17 exist:
- 18 (i) One of R₈₋₁ or R₈₋₂ and R₇ are taken together to form a
- 19 heterocyclic ring containing oxygen.
- 20 (ii) The other of R₈₋₁ or R₈₋₂ is C₁ alkyl.

1 (B) Both of the following circumstances exist:

2 (i) R₇ is 1 of the following:

3 (a) -H.

4 (b) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

5 (c) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

6 (ii) R₈ is =CH₂.

7 (v) R₉ is 1 of the following:

8 (A) -H.

9 (B) -CO-O-R₁₂ in which R₁₂ is 1 of the following:

10 (i) -H.

11 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

12 (vi) R₁₀ is 1 of the following:

13 (A) -H.

14 (B) -CO-O-R₁₃ in which R₁₃ is 1 of the following:

15 (i) -H.

16 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

17

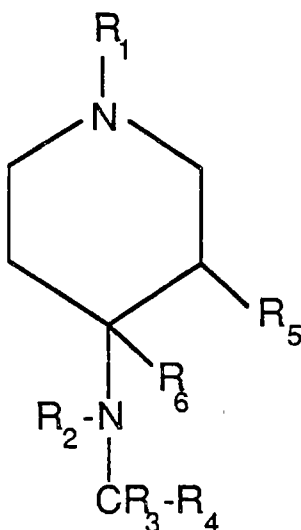
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1 u) Any compound of the formula,

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4 including, but not limited to, 3-methylfentanyl, 3-methylthiofentanyl,
 5 alpha-methylfentanyl, alpha-methylthiofentanyl, beta-hydroxyfentanyl,
 6 para-fluorofentanyl, and thiofentanyl, in which all of the following
 7 circumstances exist:

8 (i) R₁ is 1 of the following:

9 (A) -H.

10 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

11 (C) -CH₂-CH=CH₂.

12 (D) C₁ acyl, C₂ acyl, C₃ acyl, or C₄ acyl.

13 (E) -(CH₂)_{n1}-R₇ in which both of the following circumstances exist:

14 (i) n₁ is 1, 2, 3, or 4.

(ii) R7 is 1 of the following:

(a) 2-thiophene.

(b) -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(F) -C(H)(R₈)-C(H)(R₉)(R₁₀) in which all of the following circumstances exist:

(i) R₈ is 1 of the following:

(a) -H.

(b) C₁ alkyl or C₂ alkyl.

(ii) R₉ is 1 of the following:

(a) -H.

(b) C₁ alkyl or C₂ alkyl.

(c) -OH.

(iii) R₁₀ is 1 of the following:

1 (a) 2-thiophene.

2 (b) -C₆H₅, or a substituent that would be -C₆H₅ except
3 that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have
4 been replaced by a corresponding number of 1 or
5 more of the following:

6 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

7 (ii) -F.

8 (iii) -Cl.

9 (iv) -CF₃.

10 (v) 4-ethyl-4,5-dihydro-5-oxo-1H-tetrazol-1-yl.

11 (ii) R₂ is -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or
12 3 of the hydrogen atoms of -C₆H₅ have been replaced by a
13 corresponding number of 1 or more of the following:

14 (A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

15 (B) -F.

16 (C) -Cl.

17 (D) -CF₃.

18 (iii) R₃ is 1 of the following:

19 (A) =O.

20 (B) =S.

(iv) R₄ is C₁ alkyl, C₂ alkyl, C₃ alkyl, C₄ alkyl, or C₅ alkyl or a compound that would be C₁ alkyl, C₂ alkyl, C₃ alkyl, C₄ alkyl, or C₅ alkyl except that 1 hydrogen atom in the alkyl group has been replaced by -OH.

(v) R₅ is 1 of the following:

(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(vi) R₆ is 1 of the following:

(A) -H.

(B) $-(CH_2)_{n_2}-O-R_{11}$ in which both of the following circumstances exist:

(i) n_2 is 1 or 2.

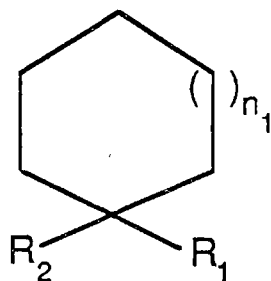
(ii) R₁₁ is 1 of the following:

(a) -H.

(b) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

1 v) Any compound of the formula,

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5 including, but not limited to, ethylamine analog of phencyclidine,
 6 pyrrolidine analog of phencyclidine, thiophene analog of phencyclidine, and
 7 phencyclidine, in which all of the following circumstances exist:

8 (i) n_1 is 0 or 1.

9 (ii) R_1 is $-N(R_3)(R_4)$ in which 1 of the following circumstances exists:

10 (A) R_3 and R_4 are the same or different but each is 1 of the
 11 following:

12 (i) $-H$.

13 (ii) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

14 (iii) $-CH_2-CH=CH_2$.

15 (B) R_3 and R_4 taken together with the attached nitrogen atom form a
 16 heterocyclic ring that is 1 of the following:

17 (i) 1-pyrrolidinyl.

1 (ii) 1-piperidinyl.

2 (iii) 1-morpholinyl.

3 (iv) 1-piperazinyl.

4 (v) A substituent that would be 1-piperazinyl except that the
5 hydrogen atom at the fourth position of 1-piperazinyl is
6 replaced by 1 of the following:

7 (a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

8 (b) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

9 (c) 2-pyrimidinyl or 4-pyrimidinyl.

10 (d) -C₆H₅, or a substituent that would be -C₆H₅ except that
11 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been
12 replaced by 1 or more of the following:

13 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

14 (ii) -F.

15 (iii) -Cl.

16 (iv) -CF₃.

17 (v) 2-thiophene.

18 (iii) R₂ is 1 of the following:

19 (A) -CN.

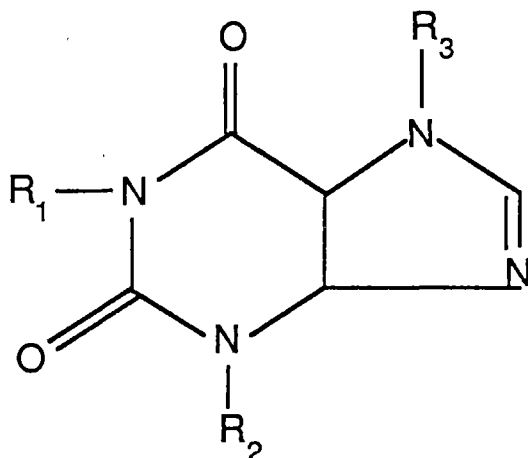
(B) $-C_6H_5$, or a substituent that would be $-C_6H_5$ except that 1, 2, or 3 of the hydrogen atoms of $-C_6H_5$ have been replaced by a corresponding number of 1 or more of the following:

(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) $-F$.

(iii) $-CF_3$.

w) Any compound of the formula,



including, but not limited to, fenethylline, in which all of the following circumstances exist:

(i) R_1 is 1 of the following:

(A) $-H$.

1 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

2 (ii) R₂ is 1 of the following:

3 (A) -H.

4 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

5 (iii) R₃ is $-(\text{CH}_2)_{n_1}-\text{N}(\text{R}_4)(\text{R}_5)$ in which all of the following circumstances
6 exist:

7 (A) n₁ is 1, 2, 3, or 4.

8 (B) R₄ is 1 of the following:

9 (i) -H.

10 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

11 (C) R₅ is $-\text{CHR}_6-\text{CHR}_7-\text{R}_8$ in which all of the following
12 circumstances exist:

13 (i) R₆ is 1 of the following:

14 (a) -H.

15 (b) C₁ alkyl.

16 (ii) R₇ is 1 of the following:

17 (a) -H.

18 (b) C₁ alkyl.

19 (iii) R₈ is $-\text{C}_6\text{H}_5$, or a substituent that would be $-\text{C}_6\text{H}_5$ except
20 that 1, 2, or 3 of the hydrogen atoms of $-\text{C}_6\text{H}_5$ have been

replaced by a corresponding number of 1 or more of the following:

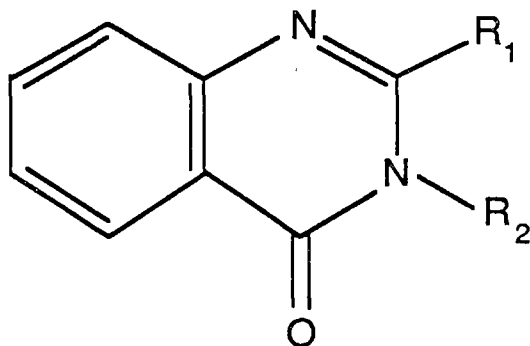
(a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(b) -F.

(c) -Cl.

(d) -CF₃.

x) Any compound of the formula,



including, but not limited to, mecloqualone and methaqualone, in which all of the following circumstances exist:

(i) R₁ is 1 of the following:

(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) R₂ is -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by a corresponding number of 1 or more of the following:

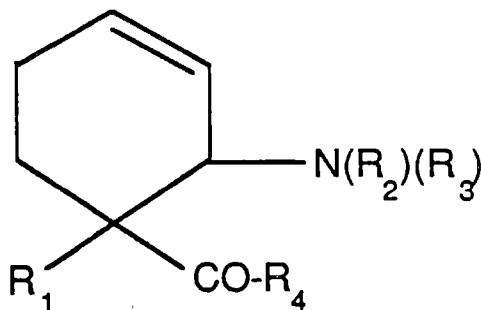
(A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(B) -F.

(C) -Cl.

(D) -CF₃.

y) Any compound of the formula,



including, but not limited to, tilidine, in which all of the following circumstances exist:

(i) R_1 is $-C_6H_5$, or a substituent that would be $-C_6H_5$ except that 1, 2, or 3 of the hydrogen atoms of $-C_6H_5$ have been replaced by a corresponding number of 1 or more of the following:

(A) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(B) $-F$.

(C) $-Cl$.

(D) $-CF_3$.

(ii) Either of the following circumstances exists:

(A) R_2 and R_3 are the same or different but each is 1 of the following:

(i) $-H$.

(ii) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(iii) $-CH_2-CH=CH_2$.

(B) R_2 and R_3 are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

(v) A substituent that would be 1-piperazinyl except that the hydrogen atom at the fourth position of 1-piperazinyl is replaced by 1 of the following:

(a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(b) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(c) 2-pyrimidinyl or 4-pyrimidinyl.

(d) -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been replaced by 1 or more of the following:

(i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(ii) -F.

(iii) -Cl.

(iv) -CF₃.

(iii) R₄ is 1 of the following:

(A) -H.

(B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(C) -O-R₅ in which R₅ is 1 of the following:

(i) -H.

(ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(iii) -N(R₆)(R₇) in which either of the following circumstances exists:

(a) R₆ and R₇ are the same or different but each is 1 of the following:

(i) -H.

(ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(iii) -CH₂-CH=CH₂.

(b) R₆ and R₇ are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

(v) A substituent that would be 1-piperazinyl except that the hydrogen atom at the fourth position of 1-piperazinyl is replaced by 1 of the following:

(A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

(B) 2-pyridinyl, 3-pyridinyl, or 4-pyridinyl.

(C) 2-pyrimidinyl or 4-pyrimidinyl.

(D) $-C_6H_5$, or a substituent that would be $-C_6H_5$ except that 1, 2, or 3 of the hydrogen atoms of $-C_6H_5$ have been replaced by a corresponding number of 1 or more of the following:

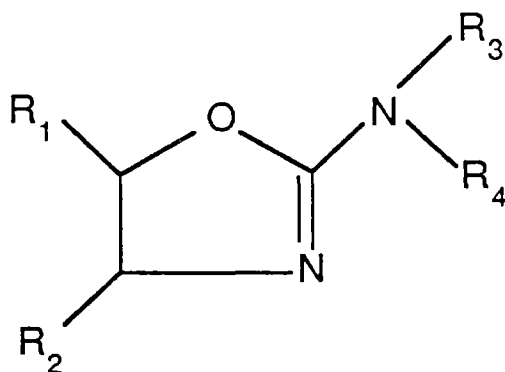
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) $-F$.

(iii) $-Cl$.

(iv) $-CF_3$.

z) Any compound of the formula,



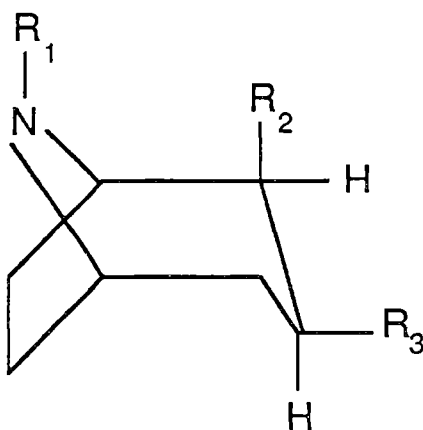
including, but not limited to, 4-methylaminorex, in which all of the following circumstances exist:

- 1 (i) R₁ is -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or
2 3 of the hydrogen atoms of -C₆H₅ have been replaced by 1 or more of
3 the following:
- 4 (A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
- 5 (B) -F.
- 6 (C) -Cl.
- 7 (D) -CF₃.
- 8 (ii) R₂ is 1 of the following:
- 9 (A) -H.
- 10 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
- 11 (iii) Either of the following circumstances exists:
- 12 (A) R₃ and R₄ are the same or different but each is 1 of the
13 following:
- 14 (i) -H.
- 15 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.
- 16 (iii) -CH₂-CH=CH₂.
- 17 (B) R₃ and R₄ are taken together with the attached nitrogen atom to
18 form a heterocyclic ring that is 1 of the following:
- 19 (i) 1-pyrrolidinyl.
- 20 (ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

aa) Any compound of the formula,



including, but not limited to, benzoylecgonine, and ecgonine, in which all of the following circumstances exist:

(i) R_1 is 1 of the following:

(A) -H.

(B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(C) cyclopropyl.

(D) $-CH_2-CH=CH_2$.

(E) $-CH_2-CH=C(CH_3)_2$.

(F) $-CH_2$ -cyclopropyl.

1 (G) $-\text{CH}_2-\text{CH}_2-\text{CH}=\text{CH}_2$.

2 (H) $-\text{COO}-\text{R}_4$ in which R_4 is 1 of the following:

3 (i) $-\text{H}$.

4 (ii) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

5 (iii) $-\text{CH}_2-\text{CF}_3$.

6 (iv) $-\text{CH}_2-\text{CCl}_3$.

7 (ii) R_2 is $-\text{COO}-\text{R}_5$ in which R_5 is 1 of the following:

8 (A) $-\text{H}$.

9 (B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

10 (C) $-\text{C}_6\text{H}_5$, or a substituent that would be $-\text{C}_6\text{H}_5$ except that 1, 2, or 3

11 of the hydrogen atoms of $-\text{C}_6\text{H}_5$ have been replaced by a

12 corresponding number of 1 or more of the following:

13 (i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

14 (ii) $-\text{F}$.

15 (iii) $-\text{Cl}$.

16 (iv) $-\text{CF}_3$.

17 (v) $-\text{O}-\text{R}_6$ in which R_6 is 1 of the following:

18 (a) $-\text{H}$.

19 (b) C_1 alkyl or C_2 alkyl.

20 (c) C_1 acyl, C_2 acyl, or C_3 acyl.

(vi) $-\text{CH}_2\text{-O-R}_7$ in which R_7 is 1 of the following:

(a) $-\text{H}$.

(b) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(c) $-\text{CO-R}_8$ in which R_8 is 1 of the following:

(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) $-\text{C}_6\text{H}_5$, or a substituent that would be $-\text{C}_6\text{H}_5$ except that 1, 2, or 3 of the hydrogen atoms of $-\text{C}_6\text{H}_5$ have been replaced by a corresponding number of 1 or more of the following:

(A) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(B) $-\text{F}$.

(C) $-\text{Cl}$.

(D) $-\text{CF}_3$.

(iii) R_3 is 1 if the following:

(A) $-\text{OH}$.

(B) $-\text{C}_6\text{H}_5$, or a substituent that would be $-\text{C}_6\text{H}_5$ except that 1, 2, or 3 of the hydrogen atoms of $-\text{C}_6\text{H}_5$ have been replaced by a corresponding number of 1 or more of the following:

(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) $-\text{F}$.

1 (iii) -Cl.

2 (iv) -CF₃.

3 (v) -O-R₉ in which R₉ is 1 of the following:

4 (a) -H.

5 (b) C₁ alkyl or C₂ alkyl.

6 (c) C₁ acyl, C₂ acyl, or C₃ acyl.

7 (C) -O-CO-R₁₀ in which R₁₀ is 1 of the following:

8 (i) -H.

9 (ii) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

10 (iii) -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2,
11 or 3 of the hydrogen atoms of -C₆H₅ have been replaced by
12 a corresponding number of 1 or more of the following:

13 (a) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

14 (b) -F.

15 (c) -Cl.

16 (d) -CF₃.

17 (e) -O-R₁₁ in which R₁₁ is 1 of the following:

18 (i) -H.

19 (ii) C₁ alkyl or C₂ alkyl.

20 (iii) C₁ acyl, C₂ acyl, or C₃ acyl.

(D) $-O-CO-CH_2-CH_2-N(R_{12})(R_{13})$ in which either of the following circumstances exists:

(i) R_{12} and R_{13} are the same or different but each is 1 of the following:

(a) $-H$.

(b) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(c) $-CH_2-CH=CH_2$.

(ii) R_{12} and R_{13} are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

(a) 1-pyrrolidinyl.

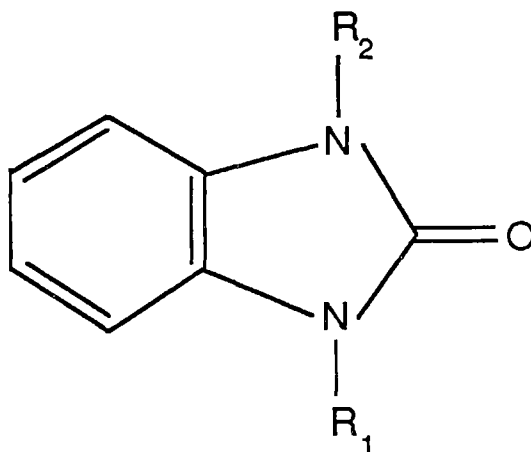
(b) 1-piperidinyl.

(c) 1-morpholinyl.

(d) 1-piperazinyl.

1 bb) Any compound of the formula,

2



3

4

5 in which all of the following circumstances exist:

6 (i) R_1 is 1 of the following:

7 (A) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

8 (B) $-CO-R_3$ in which R_3 is C_1 alkyl, C_2 alkyl, or C_3 alkyl.

9 (ii) R_2 would be 4-piperidinyl except that a hydrogen atom at the one
10 position is replaced by $-(CH_2)_{n_1}-C(R_4)(R_5)(R_6)$ and all of the

11 following circumstances exist:

12 (A) n_1 is 1, 2, or 3.

13 (B) R_4 and R_5 are the same or different but each is 1 of the
14 following:

15 (i) $-CH_2-C_6H_5$.

(ii) A substituent that would be $-\text{CH}_2\text{-C}_6\text{H}_5$ in which 1, 2, or 3 of the hydrogen atoms of $-\text{C}_6\text{H}_5$ have been replaced by a corresponding number of 1 or more of the following:

(a) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(b) $-\text{F}$.

(c) $-\text{Cl}$.

(d) $-\text{CF}_3$.

(C) R_6 is 1 of the following:

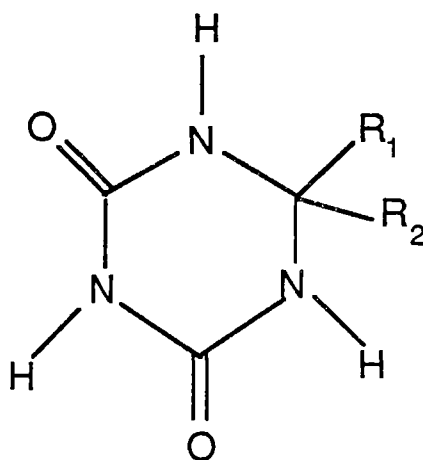
(i) $-\text{CN}$.

(ii) $-\text{COO-R}_7$ in which R_7 is 1 of the following:

(a) $-\text{H}$.

(b) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

cc) Any compound of the formula,



in which all of the following circumstances exist:

(i) R_1 is 1 of the following:

(A) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(B) $-CH_2-CH=CH_2$.

(ii) R_2 is 1 of the following:

(A) C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, C_5 alkyl, or C_6 alkyl.

(B) cycloalkyl.

(C) $-C_6H_5$, or a substituent that would be $-C_6H_5$ except that 1, 2, or 3

of the hydrogen atoms of $-C_6H_5$ have been replaced by a

corresponding number of 1 or more of the following:

(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) $-F$.

(iii) $-Cl$.

(iv) $-CF_3$.

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1 (A) C₁ alkyl, C₂ alkyl, C₃ alkyl, or C₄ alkyl.

2 (B) -CH₂-CH=CH₂.

3 (C) -(CH₂)_{n₁}-R₅ in which both of the following circumstances exist:

4 (i) n₁ is 1, 2, 3, or 4.

5 (ii) R₅ is 1 of the following:

6 (a) cyclopropyl.

7 (b) -C₆H₅, or a substituent that would be -C₆H₅ except that

8 1, 2, or 3 of the hydrogen atoms of -C₆H₅ have been

9 replaced by a corresponding number of 1 or more of

10 the following:

11 (i) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

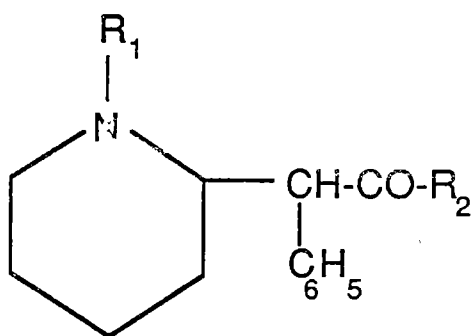
12 (ii) -F.

13 (iii) -Cl.

14 (iv) -CF₃.

1 ee) Any compound of the formula,

2



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5 in which all of the following circumstances exist:

6 (i) R_1 is 1 of the following:

7 (A) -H.

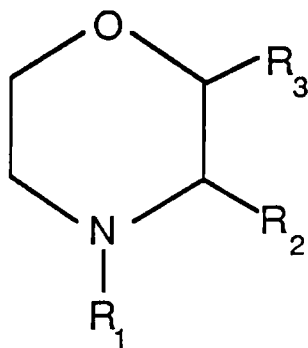
8 (B) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

9 (ii) R_2 is C_1 alkyl, C_2 alkyl, or C_3 alkyl.

10

11 ff) Any compound of the formula,

12



13

1 in which all of the following circumstances exist:

2 (i) R₁ is 1 of the following:

3 (A) -H.

4 (B) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

5 (ii) R₂ is C₁ alkyl, C₂ alkyl, or C₃ alkyl.

6 (iii) R₃ is -C₆H₅, or a substituent that would be -C₆H₅ except that 1, 2, or
7 3 of the hydrogen atoms of -C₆H₅ have been replaced by a
8 corresponding number of 1 or more of the following:

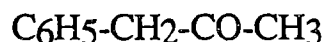
9 (A) C₁ alkyl, C₂ alkyl, or C₃ alkyl.

10 (B) -F.

11 (C) -Cl.

12 (D) -CF₃.

13
14 gg) Any compound of the formula,



18 including, but not limited to, phenylacetone.
19

20 hh) Salts and stereoisomers of the compounds enumerated in subdivisions a) to gg).

1

2 Sec. 7303. (1) A person who manufactures, distributes, prescribes, or
3 dispenses a controlled substance in this state or who proposes to engage in
4 the manufacture, distribution, prescribing, or dispensing of a controlled
5 substance in this state shall obtain a license issued by the administrator in
6 accordance with the rules. A person who has been issued a controlled
7 substances license by the administrator under this article and a license
8 under article 15 shall renew the controlled substances license concurrently
9 with the renewal of the license issued under article 15, and for an equal
10 number of years.

11

12 (2) A person licensed by the administrator under this article to
13 manufacture, distribute, prescribe, dispense, or conduct research with
14 controlled substances may possess, manufacture, distribute, prescribe,
15 dispense, or conduct research with those substances to the extent
16 authorized by its license and in conformity with the other provisions of
17 this article.

18

19 (3) The following persons need not be licensed and may lawfully
20 possess controlled substances or prescription forms under this article:

21

22 (a) An agent or employee of a licensed manufacturer, distributor,
23 prescriber, RESEARCHER, or dispenser of a controlled substance if acting in
24 the usual course of the agent's or employee's business or employment.

25

1 (b) A common or contract carrier or warehouseman, or an employee
2 thereof, whose possession of a controlled substance or prescription form is
3 in the usual course of business or employment.

4
5 (c) An ultimate user or agent in possession of a controlled substance
6 or prescription form pursuant to a lawful order of a practitioner or in
7 lawful possession of a schedule 5 substance.

8
9 (4) The administrator may waive or include by rule the requirement
10 for licensure of certain manufacturers, distributors, prescribers, or
11 dispensers, if it finds the waiver or inclusion is consistent with the public
12 health and safety.

13
14 (5) A separate license is required at each principal place of business
15 or professional practice where the applicant manufactures, distributes,
16 prescribes, or dispenses controlled substances.

17
18 (6) As a requisite for licensure, the administrator may inspect the
19 establishment of a licensee or applicant for licensure in accordance with
20 the administrator's rule.

21
22 (7) A person licensed under this article to distribute controlled
23 substances shall report to the administrator on a quarterly basis all
24 schedule 2 controlled substances and those controlled substances
25 designated by the administrator pursuant to this subsection which are sold
26 to licensed practitioners and retail pharmacies. The report shall be in

1 writing and shall include the name of each licensed practitioner and retail
2 pharmacy to whom the controlled substance was distributed. A report
3 under this subsection may be transmitted electronically, if the
4 transmission is ultimately reduced to writing. The administrator shall
5 designate by rule the controlled substances in schedules 3 to 5 to be
6 reported under this subsection.

7

8