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:

Section 1. Sections 7212 and 7303 of Act No. 368 of the Public Acts of 1978, 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, are amended to read as follows:

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

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

~~Acetylmethadol~~	~~Difenoxin~~	~~Noracymethadol~~
~~Allylprodine~~	~~Dimenoxadol~~	~~Norlevorphanol~~
~~Alpha-acetylmethadol~~	~~Dimepheptanol~~	~~Normethadone~~
~~Alphameprodine~~	~~Dimethylthiambutene~~	~~Norpipanone~~
~~Alphamethadol~~	~~Dioxaphetyl butyrate~~	~~Phenadoxone~~
~~Benzethidine~~	~~Dipipanone~~	~~Phenampromide~~
~~Betacetylmethadol~~	~~Ethylmethylthiambutene~~	~~Phenomorphan~~
~~Betameprodine~~	~~Etonitazene~~	~~Phenoperidine~~
~~Betamethadol~~	~~Etoxeridine~~	~~Piritramide~~
~~Betaprodine~~	~~Furethidine~~	~~Proheptazine~~
~~Clonitazene~~	~~Hydroxypethidine~~	~~Properidine~~
~~Dextromoramide~~	~~Ketobemidone~~	~~Propiram~~

~~Diampromide Levomoramide Racemoramide~~
~~Diethylthiambutene Levophenacylmorphan Trimeperidine~~
~~Morpheridine~~

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

~~Acetorphine Drotebanol Morphine-N-Oxide~~
~~Acetyldihydrocodeine Etorphin Myrophine~~
~~Benzylmorphine Heroin Nicocodeine Codeine methylbromide Hydromorphinol Nicomorphine~~
~~Codeine N-Oxide Methyldesorphine Normorphine~~
~~Cyprenorphine Methyldihydromorphine Pholcodine~~
~~Desomorphine Morphine methylbromid Thebacon~~
~~Dihydromorphine Morphine methylsulfonate~~

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

~~3, 4 methylenedioxy amphetamine~~
~~5 methoxy 3, 4 methylenedioxy~~

~~amphetamine~~

~~3, 4, 5 trimethoxy amphetamine~~

~~Bufotenine~~

~~Some trade and other names:~~

~~3 (B dimethylaminoethyl) 5 hydrozyindole~~

~~3 (2 dimethylaminoethyl) 5 indolol~~

~~N,N dimethylserotonin; 5 hydroxy N dimethyltryptamine Mappine~~

~~2, 5 Dimethoxyamphetamine~~

~~Some trade or other names:~~

~~2, 5 Dimethoxy a methylphenethylamine; 2,5 DMA~~

~~4 Bromo 2, 5 Dimethoxyamphetamine~~

~~Some trade or other names:~~

~~4 bromo 2, 5 dimethoxy a methylphenethylamine; 4 bromo 2,5 DMA~~

~~Diethyltryptamine~~

~~Some trade and other names:~~

~~N,N Diethyltryptamine; DET~~

~~Dimethyltryptamine~~

~~Some trade or other names:~~

~~DMT~~

~~4 methyl 2, 5 dimethoxyamphetamine~~

~~Some trade and other names:~~

~~4 methyl 2, 5 dimethoxy a methyl phenethylamine~~

~~DOM, STP~~

~~4 methoxyamphetamine~~

~~Some trade or other names:~~

~~4-methoxy-a-methylphenethylamine; paramethoxy amphetamine;~~
~~PMA~~
~~Ibogaine~~
~~Some trade and other names:~~
~~7-Ethyl-6,6a,7,8,9,10,12,13~~
~~Octahydro-2-methoxy-6,9-methano-5H-~~
~~pyrido (1, 2:1, 2-azepino 4, 5-b) indole~~
~~tabernanthe iboga~~
~~Lysergic acid diethylamide~~
~~Marihuana, except as otherwise provided in subsection (2) Mecloqualone~~
~~Mescaline~~
~~Peyote~~
~~N-ethyl-3 piperidyl benzilate~~
~~N-methyl-3 piperidyl benzilate~~
~~Psilocybin~~
~~Psilocyn~~
~~Thiophene analog of phencyclidine~~
~~Some trade or other names:~~
~~1-(1-(2-thienyl)cyclohexyl) piperidine)~~
~~2-thienyl analog of phencyclidine; TPCP~~

~~(d) Except as provided in subsection (2), synthetic equivalents of the substances contained in the plant, or in the resinous extractives of cannabis and synthetic substances, derivatives, and their isomers with similar chemical structure or pharmacological activity, or both, such as the following, are included in schedule 1:~~

~~(i) Δ1 cis or trans tetrahydrocannabinol, and their optical isomers.~~

~~(ii) Δ6 cis or trans tetrahydrocannabinol, and their optical isomers.~~

~~(iii) Δ3,4,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,

$$CH_3CH_2\text{-}CH(OR_1)\text{-}C(R_2)_2\text{-}CHR_3\text{-}CHR_4\text{-}N(R_5)(R_6)$$

including, but not limited to, acetylmethadol, alpha-acetylmethadol, alphamethadol, beta-acetylmethadol, betamethadol, dimepheptanol, and noracymethadol, 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) C_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

(D) $-CO-C_6H_5$, or a substituent that would be $-CO-C_6H_5$ 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) $-CF_3$.

(ii) R_2 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) $-CF_3$.

(iii) R_3 is 1 of the following:

(A) -H.

(B) C_1 alkyl or C_2 alkyl.

(iv) R_4 is 1 of the following:

(A) -H.

(B) C_1 alkyl or C_2 alkyl.

(v) Either of the following circumstances exists:

(A) All of the following circumstances exist:

(i) R_5 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_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_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

(e) $-CO-C_6H_5$, or a substituent that would be $-CO-C_6H_5$ 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) $-CF_3$.

(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 the hydrogen atom at the fourth position of 1-piperazinyl is 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) $-C_6H_5$, 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:

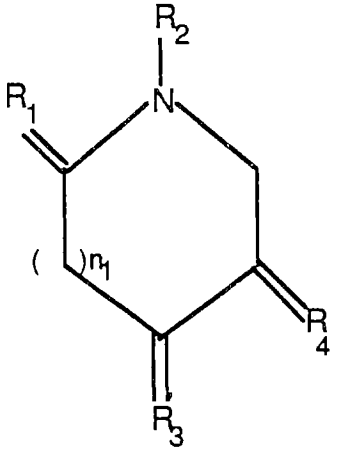
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) -F.

(iii) -Cl.

(iv) $-CF_3$.

b) Any compound of the formula,



including, but not limited to, allyprodine, alphameprodine, betameprodine, betaprodine, 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-(2-phenylethyl)-4-phenyl-1,2,3,6-tetrahydropyridine (PEPTP), in which all of the following circumstances exist:

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

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

(iii) R_2 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_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

(E) $-(CH_2)_{n_2}-R_{2-1}$ in which all of the following circumstances exist:

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

(ii) R_{2-1} 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.

(iv) Either of the following circumstances exists:

(A) R_3 is R_{3-1}:R_{3-2} and R_4 is R_{4-1}:R_{4-2} in which one of R_{3-1} or R_{3-2} is taken together with one of R_{4-1} or R_{4-2} to form a double bond between the carbon atoms to which they are attached, the other of R_{3-1} or R_{3-2} is -C_6H_5, and the other of R_{4-1} or R_{4-2} is -H.

(B) R_3 is R_{3-3}:R_{3-4}, R_4 is alpha -R_{4-3}: beta -R_{4-4}, and all of the following circumstances exist:

(i) R_{3-3} 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) R_{3-4} is 1 of the following:

(a) -OH.

(b) -O-R_{3-5} in which R_{3-5} is 1 of the following:

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

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

(iii) $-CO-(CH_2)_{n3}-C_6H_5$ in which n3 is 1, 2, 3, or 4, or a substituent that would be $-CO-(CH_2)_{n3}-C_6H_5$ in which n3 is 1, 2, 3, or 4 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) $-CF_3$.

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

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

(c) $-CH_2-CH=CH-CH_3$.

c) Any compound of the formula,

R_1-C(R_2)(R_3)-CHR_4-CHR_5-N(R_6)(R_7)

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) $-CH_2-CH=CH_2$.

(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 tha the hydrogen atom at the fourth position o 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 $-C_6H_5$ 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) $-CF_3$.

(ii) R_2 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) $-CF_3$.

(iii) R_3 is $-CH_2-C_6H_5$, or a substituent that would be $-CH_2-C_6H_5$ 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:

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

(B) -F.

(C) -Cl.

(D) $-CF_3$.

(iv) R_4 is 1 of the following:

(A) -H.

(B) C_1 alkyl or C_2 alkyl.

(v) R_5 is 1 of the following:

(A) -H.

(B) C_1 alkyl or C_2 alkyl.

(vi) Either of the following circumstances exists:

(A) R_6 and R_7 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_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) 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) $-C_6H_5$, 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,

$$R_1\text{-}O\text{-}C(C_6H_5)_2\text{-}COO\text{-}CHR_2\text{-}CHR_3\text{-}N(R_4)(R_5)$$

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) R_3 is 1 of the following:

(A) -H.

(B) C_1 alkyl or C_2 alkyl.

(iv) Either of the following circumstances exists:

(A) R_4 and R_5 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_4 and R_5 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) 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) $-C_6H_5$, 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 independently by a corresponding number of 1 or more of the following:

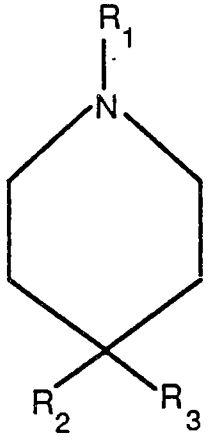
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) -F.

(iii) -Cl.

(iv) $-CF_3$.

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) $-(CH_2)_{n1}-O-(CH_2)_{n2}-R_4$ 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 hyrdogen atom at the fourth position of 1-piperazinyl is 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) $-C_6H_5$, 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) $-CF_3$.

(H) $-(CH_2)_{n4}-C(R_8)(R_9)(R_{10})$ in which all of the following circumstances exist:

(i) n_4 is 1, 2, 3, or 4.

(ii) R_8 and R_9 are the same or different but each is 1 of the following:

(a) -H.

(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) -Cl.

(iv) -CF_3.

(iii) R_{10} is 1 of the following:

(a) -CN.

(b) -O-R_{11} in which R_{11} is 1 of the following:

(i) -H.

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

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

(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) $-NH_2$.

(ii) R_2 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) $-CF_3$.

(E) $-O-R_{12}$ in which R_{12} is 1 of the following:

(i) -H.

(ii) C_1 alkyl or C_2 alkyl.

(iii) C_1 acyl, C_2 acyl, or C_3 acyl.

(iv) $-N(R_{13})(R_{14})$ in which either of the following circumstances exists:

(a) R_{13} and R_{14} 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_{13} and R_{14} 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) 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) $-C_6H_5$, 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 1 of the following:

(A) -CN.

(B) $-CO-R_{15}$ in which R_{15} is 1 of the following:

(i) -OH.

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

(iii) C_1 alkoxy, C_2 alkoxy, C_3 alkoxy, or C_4 alkoxy.

(iv) $-N(R_{16})(R_{17})$ in which either of the following circumstances exists:

(a) R_{16} and R_{17} 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_{16} and R_{17} 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 hyrdogen atom at the fourth position of 1-piperazinyl is 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) $-C_6H_5$, 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:

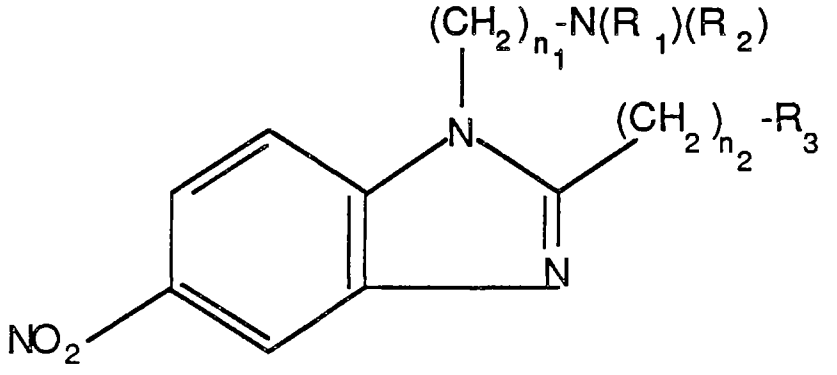
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) -F.

(iii) -Cl.

(iv) $-CF_3$.

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 hyroden atom at the fourth position of 1-piperazinyl is 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) $-C_6H_5$, or a substituent that would be $-C_6H_5$ except that 2, or 3 of the hydrogen atoms of $-C_6H_5$ have been replac 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) $-CF_3$.

(iv) R_3 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) $-CF_3$.

(E) $-O-R_4$ in which R_4 is 1 of the following:

(i) -H.

(ii) C_1 alkyl or C_2 alkyl.

(iii) C_1 acyl, C_2 acyl, or C_3 acyl.

g) Any compound of the formula,

$$R_1\text{-}CO\text{-}N(R_2)(R_3)$$

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

(i) R_1 is C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) R_2 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.

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

(d) $-(CH_2)_{n1}-C_6H_5$ in which n_1 is 1, 2, or 3, or a substituent that would be $-(CH_2)_{n1}-C_6H_5$ in which n_1 is 1, 2, or 3 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) $-CF_3$.

(ii) R_6 and R_7 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.

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

(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:

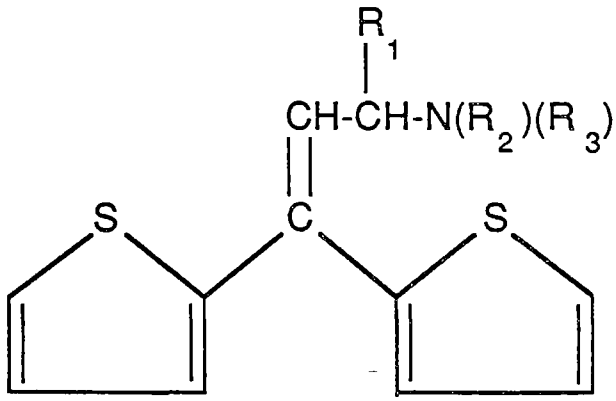
(a) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(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.

(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) 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) $-C_6H_5$, 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:

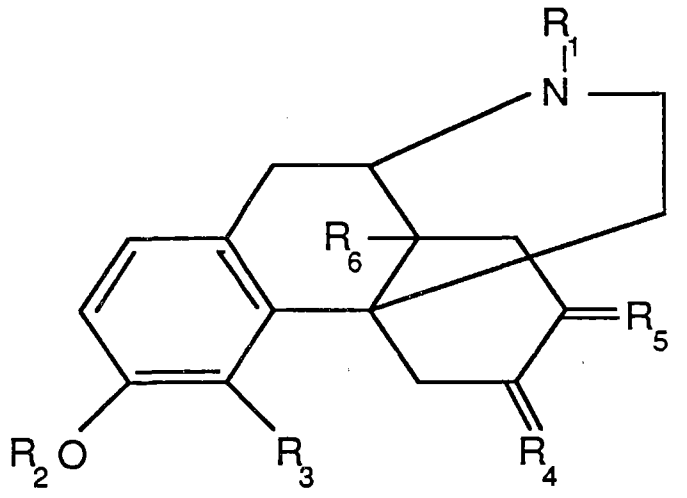
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) -F.

(iii) -Cl.

(iv) $-CF_3$.

i) Any compound of the formula,



including, but not limited to, levophenacylmorphan, norlevorphanol, phenomorphan, thebacon, and drotebanol, 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) $-CH_2-CH=CH_2$.

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

(E) $-(CH_2)_{n1}-C_6H_5$ in which n_1 is 1, 2, 3, or 4, or a substituent that would be $-(CH2)_{n1}-C_6H_5$ in which n_1 is 1, 2, 3, or 4 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) $-(CH_2)_{n2}-CO-C_6H_5$ in which n2 is 1, 2, 3, or 4, or a substituent that would be $-(CH_2)_{n2}-CO-C_6H_5$ in which n2 is 1, 2, 3, or 4 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) $-CF_3$.

(ii) R_2 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.

(iii) R_3 is 1 of the following:

(A) -H.

(B) -OH.

(C) C_1 alkoxy, C_2 alkoxy, or C_3 alkoxy.

(iv) Either of the following circumstances exists:

(A) R_4 is R_{4-1}:R_{4-2} and R_5 is R_{5-1}:R_{5-2} in which all of the following circumstances exist:

(i) One of R_{4-1} or R_{4-2} is taken together with 1 of R_{5-1} or R_{5-2} to form a double bond between the carbon atoms to which they are attached.

(ii) The other of R_{4-1} or R_{4-2} is C_1 acyloxy, C_2 acyloxy, C_3 acyloxy, or C_4 acyloxy.

(iii) The other of R_{5-1} or R_{5-2} is -H.

(B) Both of the following circumstances exist:

(i) R_4 is 1 of the following:

(a) -H:-H.

(b) -H: -O-R 4-3 in which R_{4-3} is 1 of the following:

(i) -H.

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

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

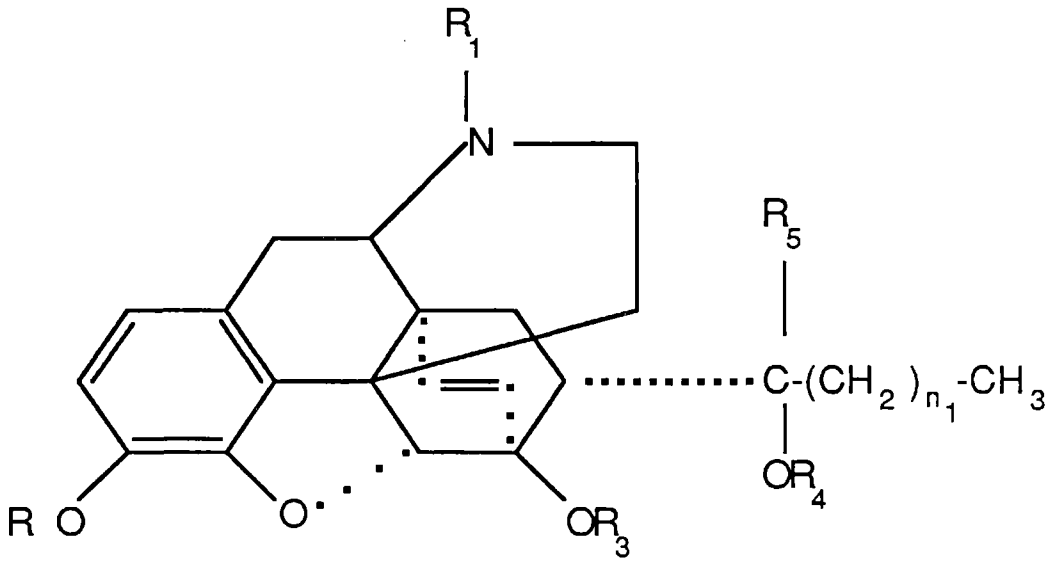
(ii) R_5 is -H:-H.

(v) R_6 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) R_1 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.

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

(E) cyclopropylmethyl.

(ii) R_2 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.

(iii) R_3 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.

(iv) R_4 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.

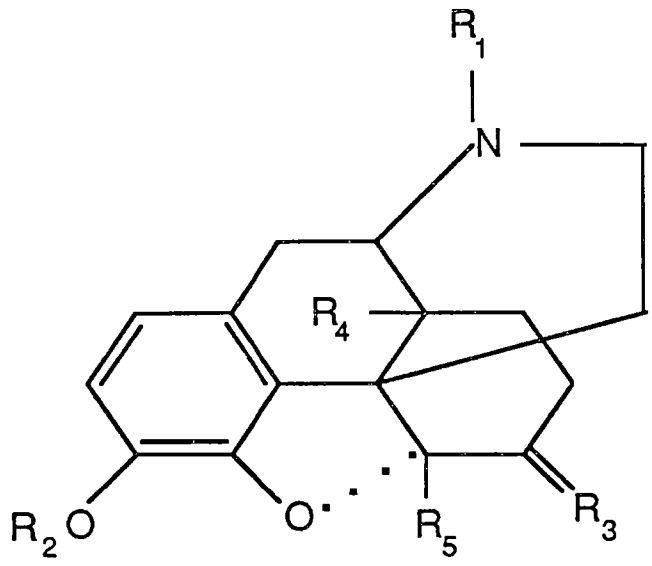
(v) R_5 is 1 of the following:

(A) -H.

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

(vi) n_1 is 0, 1, 2, 3, or 4.

k) Any compound of the formula,



including, but not limited to, acetyldihydrocodeine, desomorphine, hydromorphinol, and methylhydromorphine, 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) C_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

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

(E) cyclopropylmethyl.

(ii) R_2 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.

(iii) R_3 is 1 of the following:

(A) =O.

(B) R_{3-1}:R_{3-2} in which all of the following circumstances exist:

(i) R_{3-1} is 1 of the following:

(a) -H.

(b) C_1 alkyl or C_2 alkyl.

(ii) R_{3-2} is 1 of the following:

(a) -H.

(b) -O-R_{3-3}, in which R_{3-3} is 1 of the following:

(i) -H.

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

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

(iv) R_4 is 1 of the following:

(A) -H.

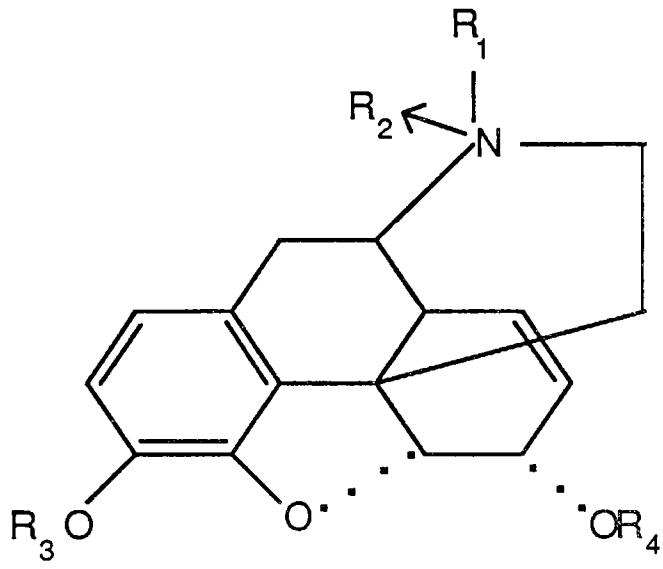
(B) -OH.

(v) R_5 is 1 of the following:

(A) -H.

(B) $-CH_3$.

l) Any compound of the formula,



including, but not limited to, benzylmorphine, codeine methylbromide, codeine-N-oxide, heroin, methylbromide, morphine methylsulfonate, morphine-N-oxide, myrophine, nicocodeine, nicomorphine, normorphine, and pholcodine, 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) C_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

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

(E) cyclopropylmethyl.

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

(A) C1 alkyl.

(B) N-oxide.

(iii) R_3 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, C_4 acyl, C_5 acyl, C_6 acyl, C_7 acyl, C_8 acyl, C_9 acyl, C_{10} acyl, C_{11} acyl, C_{12} acyl, C_{13} acyl, C_{14} acyl, C_{15} acyl, C_{16} acyl, C_{17} acyl, or C_{18} acyl.

(D) nicotinyl.

(E) $-(CH_2)_{n1}-C_6H_5$ in which n_1 is 1, 2, 3, or 4, or a substituent that would be $-(CH_2)_{n1}-C_6H_5$ in which n_1 is 1, 2, 3, or 4 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) $-(CH_2)_{n2}-N(R_5)(R_6)$ 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) -H.

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

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

(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) $-C_6H_5$, 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) $-CF_3$.

(iv) R_4 is 1 of the following:

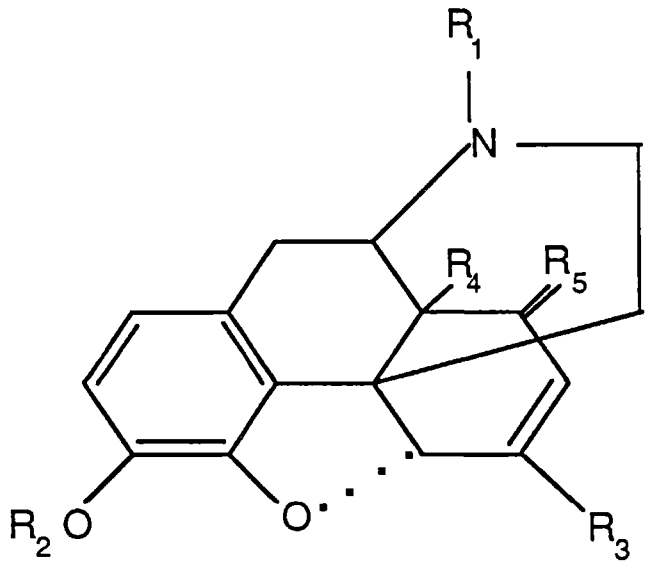
(A) -H.

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

(C) C_1 acyl, C_2 acyl, C_3 acyl, C_4 acyl, C_5 acyl, C_6 acyl, C_7 acyl, C_8 acyl, C_9 acyl, C_{10} acyl, C_{11} acyl, C_{12} acyl, C_{13} acyl, C_{14} acyl, C_{15} acyl, C_{16} acyl, C_{17} acyl, or C_{18} acyl.

(D) nicotinyl.

m) Any compound of the formula,



including, but not limited to, methyldesorphine and thebaine, 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) C_1 acyl, C_2 acyl, C_3 acyl, or C_4 acyl.

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

(E) cyclopropylmethyl.

(ii) R_2 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, C_4 acyl, C_5 acyl, C_6 acyl, C_7 acyl, C_8 acyl, C_9 acyl, C_{10} acyl, C_{11} acyl, C_{12} acyl, C_{13} acyl, C_{14} acyl, C_{15} acyl, C_{16} acyl, C_{17} acyl, or C_{18} acyl.

(D) nicotinyl.

(E) $-(CH2)_{n1}-C_6H_5$ in which n_1 is 1, 2, 3, or 4, or a substituent that would be $-(CH2)_{n1}-C_6H_5$ in which n_1 is 1, 2, 3, or 4 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) $-(CH2)_{n2}-N(R_6)(R_7)$ 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) R_6 and R_7 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_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) 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) $-C_6H_5$, 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 1 of the following:

(A) -H.

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

(C) $-O-R_8$ in which R_8 is 1 of the following:

(i) -H.

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

(iv) Either of the following circumstances exists:

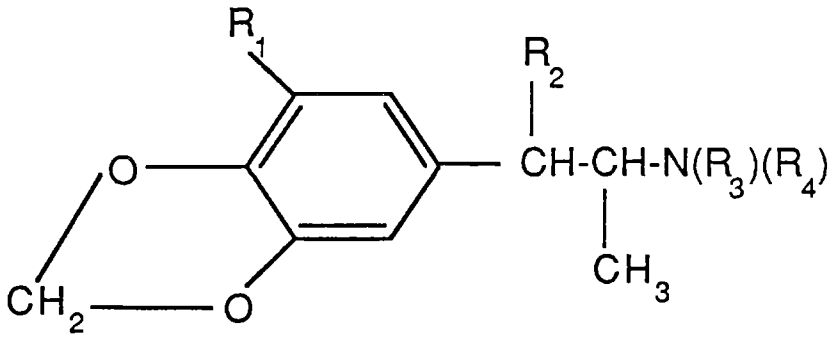
(A) Both of the following circumstances exist:

(i) R_4 is -H.

(ii) R_5 is -H:-H.

(B) R_5 is R_{5-1}: R_{5-2} in which 1 of R_{5-1} or R_{5-2} is taken together with R_4 to form a double bond between the carbon atoms to which they are attached, and the other of R_{5-1} or R_{5-2} is -H.

n) Any compound of the formula,



including, but not limited to, 3, 4-methylenedioxyamphetamine (MDA), 5-methoxy-3, 4-methylenedioxyamphetamine, 3, 4-methylenedioxyethamphetamine (MDEA), 3, 4-methylanedioxymethamphetamine (MDMA), and N-hydroxy-3,4-methylenedioxyamphetamine, in which all of the following circumstances exist:

(i) R_1 is 1 of the following:

(A) -H.

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

(i) -H.

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

(iii) -C_{14} acyl.

(ii) R_2 is 1 of the following:

(A) -H.

(B) C_1 alkyl.

(iii) Either of the following circumstances exists:

(A) R_3 and R_4 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) $-CH_2-CH=CH_2$.

(iv) -OH.

(B) R_3 and R_4 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.

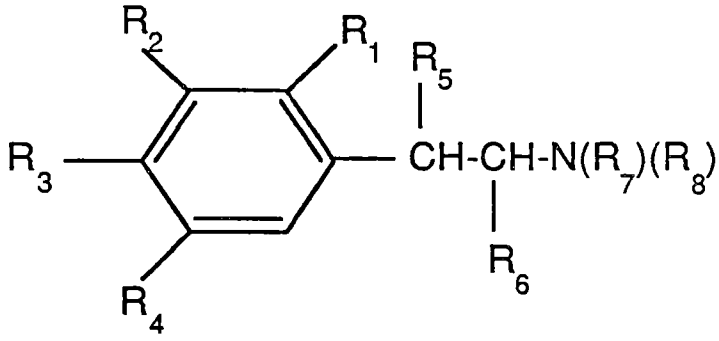
(b) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(c) -F.

(d) -Cl.

(e) -CF_3.

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) R_1, R_2, R_3, and R_4 are the same or different but each is 1 of the following:

(i) -H.

(ii) -F.

(iii) -Cl.

(iv) -Br.

(v) $-CF_3$.

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

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

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

(a) -H.

(b) C_1 alkyl or C_2 alkyl.

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

(B) At least 1 of R_1, R_2, R_3, or R_4 is -H.

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

(A) -H.

(B) C_1 alkyl.

(iii) Either of the following circumstances exists:

(A) Both of the following circumstances exist:

(i) R_7 is 1 of the following:

(a) -H.

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

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

(d) -OH.

(ii) R_8 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_7 and R_8 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) 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) $-C_6H_5$, 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:

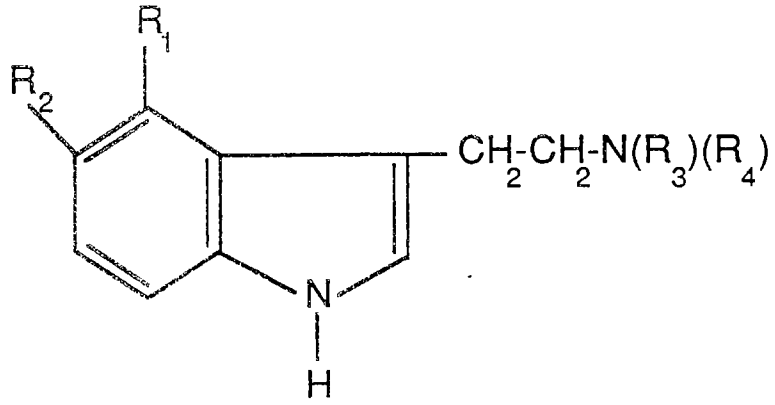
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) -F.

(iii) -Cl.

(iv) $-CF_3$.

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) R_1 is 1 of the following:

(A) -H.

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

(i) -H.

(ii) $-P(O)(OH)_2$.

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

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

(ii) Both of the following circumstances exist:

(A) R_2 is 1 of the following:

(i) -H.

(ii) -O-R_6 in which R_6 is 1 of the following:

(a) -H.

(b) -P(O)$(OH)_2$.

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

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

(B) At least 1 of R_1 or R_2 is -H.

(iii) Either of the following circumstances exists:

(A) R_3 and R_4 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_3 and R_4 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) 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) $-C_6H_5$, 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:

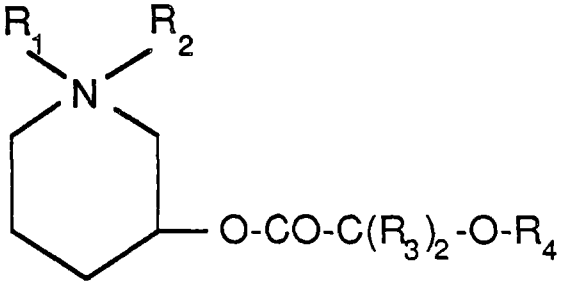
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) -F.

(iii) -Cl.

(iv) $-CF_3$.

q) Any compound of the formula,



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

(i) R_1 does not exist or 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.

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

(E) $-(CH_2)_{n1}-R_5$ in which all of the following circumstances exist:

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

(ii) R_5 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) R_2 is 1 of the following:

(A) -H.

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

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

(iii) R_3 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) $-CF_3$.

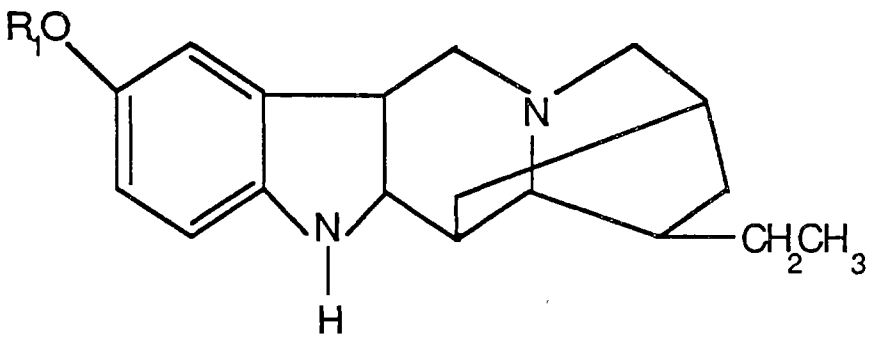
(iv) R_4 is 1 of the following:

(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.

r) Any compound of the formula,



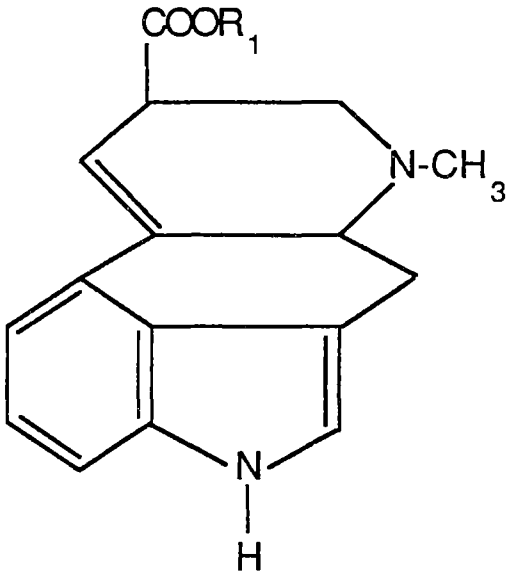
including, but not limited to, ibogaine, in which R_1 is 1 of the following:

(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.

s) Any compound of the formula,



including, but not limited to, lysergic acid diethylamide (LSD), in which R_1 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.

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

(i) R_3 and R_4 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_3 and R_4 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.

(e) 1-piperazinyl, or 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:

(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 1 or more of the following:

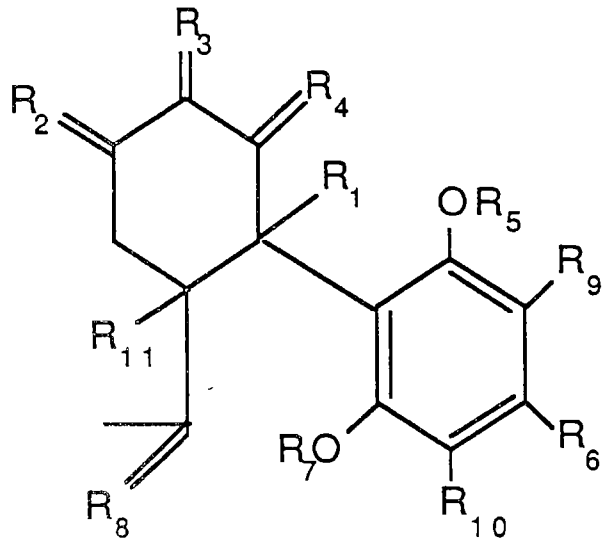
(A) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(B) -F.

(C) -Cl.

(D) -CF_3.

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:

(a) One of R_{2-1} or R_{2-2} is taken together with 1 of R_{3-1} or R_{3-2} to form a double bond between the carbon atoms to which they are attached.

(b) The other of R_{2-1} or R_{2-2} is -H.

(c) The other of R_{3-1} or R_{3-2} is C_1 alkyl, C_2 alkyl, or C_3 alkyl, or $-CH_2-O-R_{3-3}$ in which R_{3-3} is 1 of the following:

(i) -H.

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

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

(ii) R_4 is -H:-H.

(iii) R_1 is alpha-H.

(iv) R_{11} is beta-H.

(B) All of the following circumstances exist:

(i) R_3 is R_{3-4}:R_{3-5} and R_4 is R_{4-1}:R_{4-2} in which all of the following circumstances exist:

(a) One of R_{3-4} or R_{3-5} is taken together with 1 of R_{4-1} or R_{4-2} to form a double bond between the carbon atoms to which they are attached.

(b) The other of R_{3-4} or R_{3-5} is 1 of the following:

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

(ii) -CH_2-O-R_{3-6} in which R_{3-6} 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.

(c) The other of R_{4-1} or R_{4-2} is -H.

(ii) R_2 is -H:-H.

(iii) R_1 is alpha-H.

(iv) R_{11} is beta-H.

(C) All of the following circumstances exist:

(i) R_1 and R_{11} are taken together form a double bond between the carbon atoms to which they are attached.

(ii) R_2 and R_4 are each-H:-H.

(iii) R_3 is -H:R_{3-7} in which R_{3-7} is 1 of the following:

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

(b) -CH_2-O-R_{3-8} in which R_{3-8} is 1 of the following:

(i) -H.

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

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

(D) All of the following circumstances exist:

(i) R_1 is -H.

(ii) R_2 is -H:-H.

(iii) R_3 is =O.

(iv) R_4 is -H:-H.

(v) R_{11} is -H.

(ii) R_5 is 1 of the following:

(A) -H.

(B) C_1 alkyl or C_2 alkyl.

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

(iii) R_6 is 1 of the following:

(A) C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, C_5 alkyl, C_6 alkyl, C_7 alkyl, C_8 alkyl, C_9 alkyl, or C_{10} alkyl.

(B) C_2 alkenyl, C_3 alkenyl, C_4 alkenyl, C_5 alkenyl, C_6 alkenyl, C_7 alkenyl, C_8 alkenyl, C_9 alkenyl, or C_{10} alkenyl.

(iv) Either of the following circumstances exists:

(A) R_8 is $R_{8\text{-}1}$:$R_{8\text{-}2}$ in which both of the following circumstances exist:

(i) One of $R_{8\text{-}1}$ or $R_{8\text{-}2}$ and R_7 are taken together to form a heterocyclic ring containing oxygen.

(ii) The other of $R_{8\text{-}1}$ or $R_{8\text{-}2}$ is C_1 alkyl.

(B) Both of the following circumstances exist:

(i) R_7 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.

(ii) R_8 is $=CH_2$.

(v) R_9 is 1 of the following:

(A) -H.

(B) -CO-O-R_{12} in which R_{12} is 1 of the following:

(i) -H.

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

(vi) R_{10} is 1 of the following:

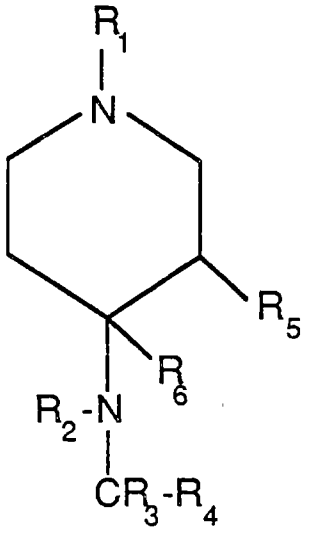
(A) -H.

(B) -CO-O-R_{13} in which R_{13} is 1 of the following:

(i) -H.

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

u) Any compound of the formula,



including, but not limited to, 3-methylfentanyl, 3-methylthiofentanyl, alpha-methylfentanyl, alpha-methylthiofentanyl, beta-hydroxyfentanyl, para-fluorofentanyl, and thiofentanyl, 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) $-CH_2-CH=CH_2$.

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

(E) $-(CH_2)_{n1}-R_7$ in which both of the following circumstances exist:

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

(ii) R_7 is 1 of the following:

(a) 2-thiophene.

(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) -Cl.

(iv) $-CF_3$.

(F) $-C(H)(R_8)-C(H)(R_9)(R_{10})$ in which all of the following circumstances exist:

(i) R_8 is 1 of the following:

(a) -H.

(b) C_1 alkyl or C_2 alkyl.

(ii) R_9 is 1 of the following:

(a) -H.

(b) C_1 alkyl or C_2 alkyl.

(c) -OH.

(iii) R_{10} is 1 of the following:

(a) 2-thiophene.

(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) -Cl.

(iv) $-CF_3$.

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

(ii) R_2 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) $-CF_3$.

(iii) R_3 is 1 of the following:

(A) =O.

(B) =S.

(iv) R_4 is C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, or C_5 alkyl or a compound that would be C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, or C_5 alkyl except that 1 hydrogen atom in the alkyl group has been replaced by -OH.

(v) R_5 is 1 of the following:

(A) -H.

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

(vi) R_6 is 1 of the following:

(A) -H.

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

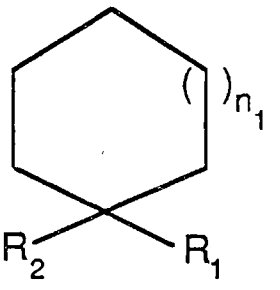
(i) n_2 is 1 or 2.

(ii) R_{11} is 1 of the following:

(a) -H.

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

v) Any compound of the formula,



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

(i) n_1 is 0 or 1.

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

(A) R_3 and R_4 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_3 and R_4 taken together with the attached nitrogen atom 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) 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) $-C_6H_5$, 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 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) 2-thiophene.

(iii) R_2 is 1 of the following:

(A) -CN.

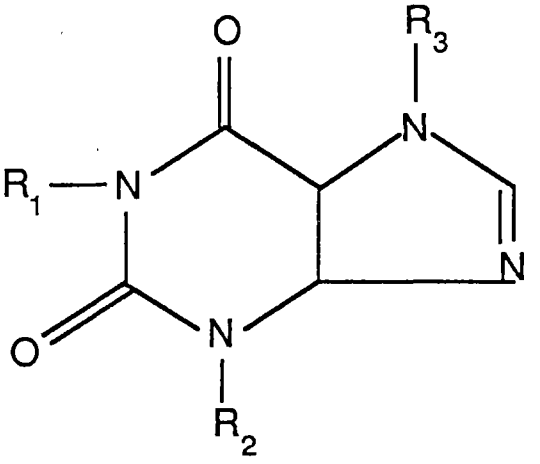
(B) -C_6H_5, or a substituent that would be -C_6H_5 except that 1, 2, or 3 of the hydrogen atoms of -C_6H_5 have been replaced by a corresponding number of 1 or more of the following:

(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.

(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, C_2 alkyl, or C_3 alkyl.

(iii) R_3 is $-(CH_2)_{n1}-N(R_4)(R_5)$ in which all of the following circumstances exist:

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

(B) R_4 is 1 of the following:

(i) -H.

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

(C) R_5 is $-CHR_6-CHR_7-R_8$ in which all of the following circumstances exist:

(i) R_6 is 1 of the following:

(a) -H.

(b) C_1 alkyl.

(ii) R_7 is 1 of the following:

(a) -H.

(b) C_1 alkyl.

(iii) R_8 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:

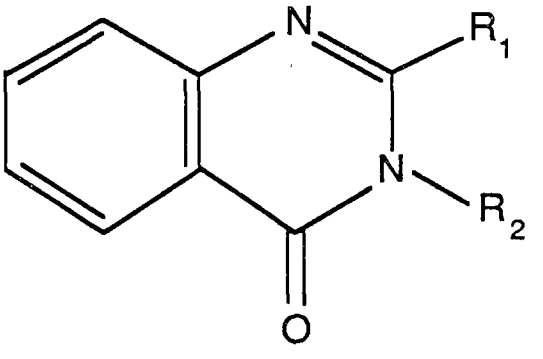
(a) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(b) -F.

(c) -Cl.

(d) $-CF_3$.

x) Any compound of the formula,



including, but not limited to, mecloqualone and methaqualone, 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 $-C_6H_5$, 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:

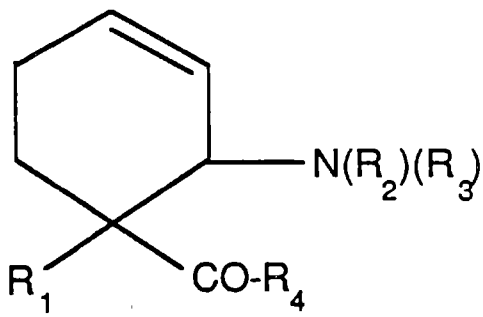
(A) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(B) -F.

(C) -Cl.

(D) $-CF_3$.

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) 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) $-C_6H_5$, 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 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_4 is 1 of the following:

(A) -H.

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

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

(i) -H.

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

(iii) -N(R_6)(R_7) in which either of the following circumstances exists:

(a) R_6 and R_7 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=CH2.

(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) 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) -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:

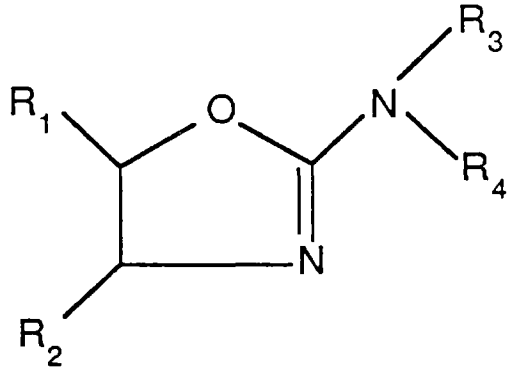
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(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:

(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 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) R_2 is 1 of the following:

(A) -H.

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

(iii) Either of the following circumstances exists:

(A) R_3 and R_4 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_3 and R_4 are taken together with the attached nitrogen atom to form a heterocyclic ring that is 1 of the following:

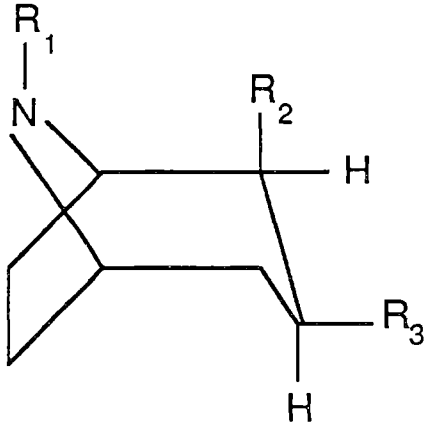
(i) 1-pyrrolidinyl.

(ii) 1-piperidinyl.

(iii) 1-morpholinyl.

(iv) 1-piperazinyl.

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.

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

(H) -COO-R_4 in which R_4 is 1 of the following:

(i) -H.

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

(iii) $-CH_2-CF_3$.

(iv) $-CH_2-CCl_3$.

(ii) R_2 is -COO-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) $-C_6H_5$, 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_6 in which R_6 is 1 of the following:

(a) -H.

(b) C_1 alkyl or C_2 alkyl.

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

(vi) -CH_2-O-R7 in which R7 is 1 of the following:

(a) -H.

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

(c) -CO-R8 in which R8 is 1 of the following:

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

(ii) -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.

(iii) R3 is 1 if the following:

(A) -OH.

(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) -Cl.

(iv) $-CF_3$.

(v) -O-R_9 in which R_9 is 1 of the following:

(a) -H.

(b) C_1 alkyl or C_2 alkyl.

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

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

(i) -H.

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

(iii) $-C_6H_5$, 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) $-CF_3$.

(e) -O-R_{11} in which R_{11} is 1 of the following:

(i) -H.

(ii) C_1 alkyl or C_2 alkyl.

(iii) C_1 acyl, C_2 acyl, or C_3 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:

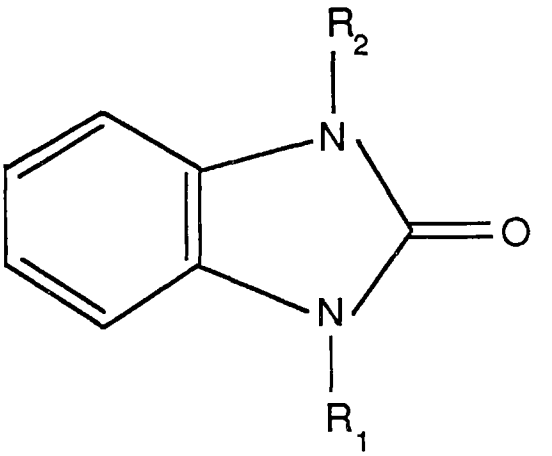
(a) 1-pyrrolidinyl.

(b) 1-piperidinyl.

(c) 1-morpholinyl.

(d) 1-piperazinyl.

bb) 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) -CO-R_3 in which R_3 is C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) R_2 would be 4-piperidinyl except that a hydrogen atom at the one position is replaced by $-(CH_2)_{n1}-C(R_4)(R_5)(R_6)$ and all of the following circumstances exist:

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

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

(i) $-CH_2-C_6H_5$.

(ii) A substituent that would be -CH_2-C_6H_5 in which 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.

(C) R_6 is 1 of the following:

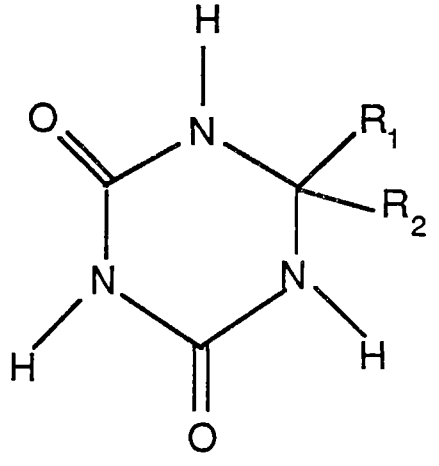
(i) -CN.

(ii) -COO-R_7 in which R_7 is 1 of the following:

(a) -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:

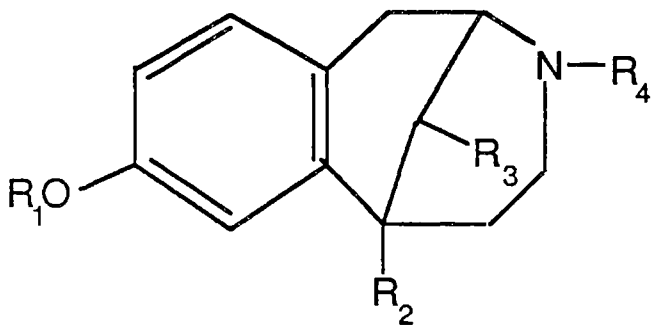
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) -F.

(iii) -Cl.

(iv) $-CF_3$.

dd) Any compound of the formula,



in which all of the following circumstances exist:

(i) R_1 is 1 of the following:

(A) -H.

(B) C_1 acyl, C_2 acyl, C_3 acyl, C_4 acyl, or C_5 acyl.

(C) -CO-C_6H_5.

(ii) R_2 is 1 of the following:

(A) -H.

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

(iii) R_3 is 1 of the following:

(A) -H.

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

(iv) R_4 is 1 of the following:

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

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

(C) $-(CH_2)_{n1}-R_5$ in which both of the following circumstances exist:

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

(ii) R_5 is 1 of the following:

(a) cyclopropyl.

(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:

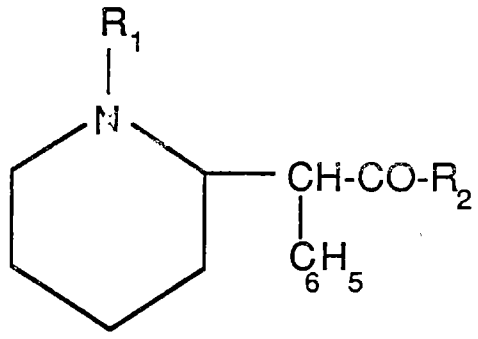
(i) C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(ii) -F.

(iii) -Cl.

(iv) $-CF_3$.

ee) Any compound of the formula,



in which all of the following circumstances exist:

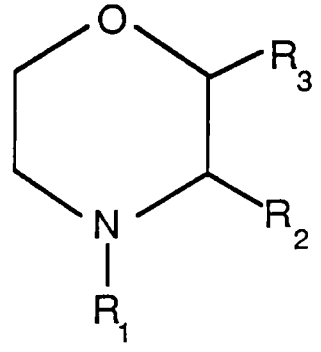
(i) R_1 is 1 of the following:

(A) -H.

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

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

ff) Any compound of the formula,



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 C_1 alkyl, C_2 alkyl, or C_3 alkyl.

(iii) R_3 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) $-CF_3$.

gg) Any compound of the formula,

$$C_6H_5\text{-}CH_2\text{-}CO\text{-}CH_3$$

including, but not limited to, phenylacetone.

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

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

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

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

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

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

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

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

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

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

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

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