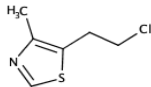
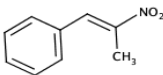
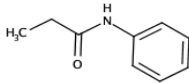
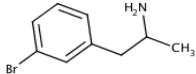
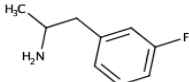


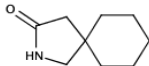
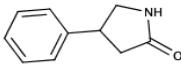
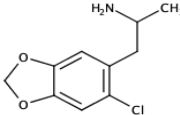
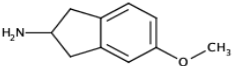
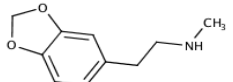
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Clomethiazole	chlormethiazole	5-(2-chloroethyl)-4-methyl-1,3-thiazole		InChI=1S/C6H8CINS/c1-5-6(2-3-7)9-4-8-5/h4H,2-3H2,1H3	C6H8CINS	5/22/2018
P2NP	1-phenyl-2-nitropropene	[(1E)-2-nitroprop-1-en-1-yl]benzene		InChI=1S/C9H9NO2/c1-8(10(11)12)7-9-5-3-2-4-6-9/h2-7H,1H3/b8-7+	C9H9NO2	10/2/2018
N-Phenylpropanamide	propionanilide	N-phenylpropanamide		InChI=1S/C9H11NO/c1-2-9(11)10-8-6-4-3-5-7-8/h3-7H,2H2,1H3,(H,10,11)	C9H11NO	5/22/2018
3-Bromoamphetamine	3-BA; m-BA; 3-bromo-alpha-methyl-benzeneethanamine	1-(3-bromophenyl)propan-2-amine		InChI=1S/C9H12BrN/c1-7(11)5-8-3-2-4-9(10)6-8/h2-4,6-7H,5,11H2,1H3	C9H12BrN	1/18/2019
3-Fluoroamphetamine	3-FA	1-(3-fluorophenyl)propan-2-amine		InChI=1S/C9H12FN/c1-7(11)5-8-3-2-4-9(10)6-8/h2-4,6-7H,5,11H2,1H3	C9H12FN	5/2/2017

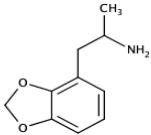
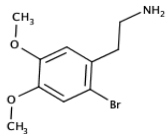
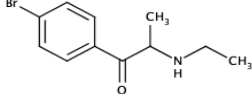
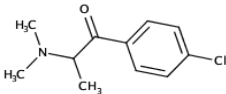
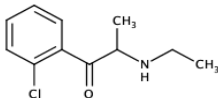
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Gabapentin lactam	gabapentin lactam	2-azaspiro[4.5]decan-3-one		InChI=1S/C9H15NO/c11-8-6-9(7-10-8)4-2-1-3-5-9/h1-7H2,(H,10,11)	C9H15NO	3/16/2018
4-Phenyl-2-pyrrolidinone		4-phenylpyrrolidin-2-one		InChI=1S/C10H11NO/c12-10-6-9(7-11-10)8-4-2-1-3-5-8/h1-5,9H,6-7H2,(H,11,12)	C10H11NO	10/30/2019
2Cl-4,5-MDA	2-chloro-4,5-methylenedioxyamphetamine	1-(6-chloro-2H-1,3-benzodioxol-5-yl)propan-2-amine		InChI=1S/C10H12ClNO2/c1-6(12)2-7-3-9-10(4-8(7)11)14-5-13-9/h3-4,6H,2,5,12H2,1H3	C10H12ClNO2	5/11/2018
MEAI	5-methoxy-2-aminoindane; 5-MeO-AI	2,3-dihydro-5-methoxy-1H-Inden-2-amine		InChI=1S/C10H13NO/c1-12-10-3-2-7-4-9(11)5-8(7)6-10/h2-3,6,9H,4-5,11H2,1H3	C10H13NO	12/16/2019
Homarylamine	MDMPEA; MK-71; N-methylhomopiperonylamine; N-methyl-3-4-methylenedioxyphenethylamine; N-methyl-1,3-benzodioxole-5-ethanamine	[2-(2H-1,3-benzodioxol-5-yl)ethyl](methyl)amine		InChI=1S/C10H13NO2/c1-11-5-4-8-2-3-9-10(6-8)13-7-12-9/h2-3,6,11H,4-5,7H2,1H3	C10H13NO2	4/22/2019

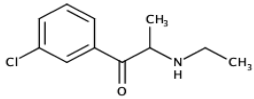
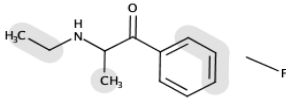
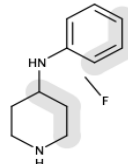
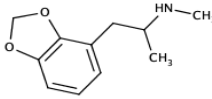
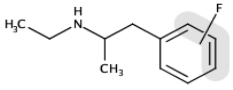
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
2,3-MDA	2,3-methylenedioxyamphetamine	1-(2H-1,3-benzodioxol-4-yl)propan-2-amine		InChI=1S/C10H13NO2/c1-7(11)5-8-3-2-4-9-10(8)13-6-12-9/h2-4,7H,5-6,11H2,1H3	C10H13NO2	5/22/2018
2Br-4,5-Dimethoxyphenethylamine	2-bromo-4,5-dimethoxyphenethylamine	4-methoxy-6-[(1E)-2-phenylethenyl]-5,6-dihydro-2H-pyran-2-one		InChI=1S/C10H14BrNO2/c1-13-9-5-7(3-4-12)8(11)6-10(9)14-2/h5-6H,3-4,12H2,1-2H3	C10H14BrNO2	10/2/2020
4-BEC	4-bromo-N-ethylcathinone; 4-bromoethcathinone	1-(4-bromophenyl)-2-(ethylamino)propan-1-one		InChI=1S/C11H14BrNO/c1-3-13-8(2)11(14)9-4-6-10(12)7-5-9/h4-8,13H,3H2,1-2H3	C11H14BrNO	4/5/2017
4Cl-N,N-DMC	4-chloro-N,N-dimethylcathinone	1-(4-chlorophenyl)-2-(dimethylamino)propan-1-one		InChI=1S/C11H14ClNO/c1-8(13(2)3)11(14)9-4-6-10(12)7-5-9/h4-8H,1-3H3	C11H14ClNO	10/9/2018
2-CEC	2-chloroethcathinone; 2-chloro-N-ethylcathinone	1-(2-chlorophenyl)-2-(ethylamino)propan-1-one		InChI=1S/C11H14ClNO/c1-3-13-8(2)11(14)9-6-4-5-7-10(9)12/h4-8,13H,3H2,1-2H3	C11H14ClNO	4/16/2018

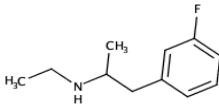
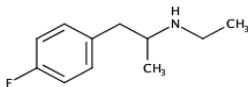
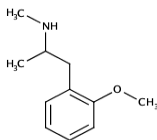
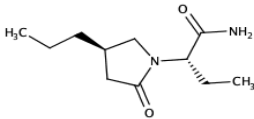
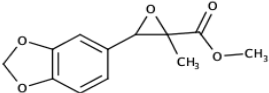
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
3-CEC	3-chloroethcathinone; 3-chloro-N-ethylcathinone	1-(3-chlorophenyl)-2-(ethylamino)propan-1-one		InChI=1S/C11H14ClNO/c1-3-13-8(2)11(14)9-5-4-6-10(12)7-9/h4-8,13H,3H2,1-2H3	C11H14ClNO	4/23/2017
Fluoroethcathinone	FEC				C11H14FNO	7/25/2019
Fluoro 4-anilinopiperidine	fluoro 4-AP				C11H15FN2	8/23/2021
2,3-MDMA	2,3-methylenedioxymethamphetamine	[1-(2H-1,3-benzodioxol-4-yl)propan-2-yl](methyl)amine		InChI=1S/C11H15NO2/c1-8(12-2)6-9-4-3-5-10-11(9)14-7-13-10/h3-5,8,12H,6-7H2,1-2H3	C11H15NO2	2/14/2017
Fluoroethamphetamine					C11H16FN	12/16/2019

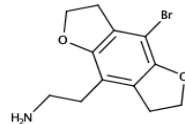
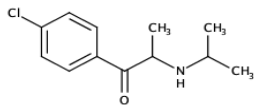
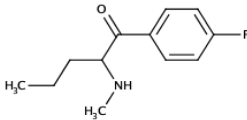
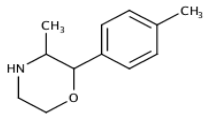
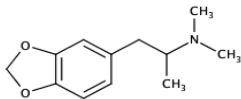
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
3-FEA	meta-fluoroethamphetamine; 3-fluoroethamphetamine; 3-fluoro-N-ethylamphetamine	ethyl[1-(3-fluorophenyl)propan-2-yl]amine		InChI=1S/C11H16FN/c1-3-13-9(2)7-10-5-4-6-11(12)8-10/h4-6,8-9,13H,3,7H2,1-2H3	C11H16FN	10/15/2018
4-FEA	para-fluoroethamphetamine; 4-fluoroethamphetamine; 4-fluoro-N-ethylamphetamine	ethyl[1-(4-fluorophenyl)propan-2-yl]amine		InChI=1S/C11H16FN/c1-3-13-9(2)8-10-4-6-11(12)7-5-10/h4-7,9,13H,3,8H2,1-2H3	C11H16FN	5/5/2017
2-Methoxy methamphetamine	2-MMA; proasma	[1-(2-methoxyphenyl)propan-2-yl](methyl)amine		InChI=1S/C11H17NO/c1-9(12-2)8-10-6-4-5-7-11(10)13-3/h4-7,9,12H,8H2,1-3H3	C11H17NO	1/9/2020
Brivaracetam		(2S)-2-[(4R)-2-oxo-4-propylpyrrolidin-1-yl]butanamide		InChI=1S/C10H14BrNO2/c1-13-9-5-7(3-4-12)8(11)6-10(9)14-2/h5-6H,3-4,12H2,1-2H3	C11H20N2O2	3/22/2020
PMK methyl glycidate	3-(1,3-benzodioxol-5-yl)-2-methyl-2-oxiranecarboxylic acid, methyl ester	methyl 3-(2H-1,3-benzodioxol-5-yl)-2-methyloxirane-2-carboxylate		InChI=1S/C12H12O5/c1-12(11(13)14-2)10(17-12)7-3-4-8-9(5-7)16-6-15-8/h3-5,10H,6H2,1-2H3	C12H12O5	7/7/2017

2017-2021 NFLIS-Drug Substance List

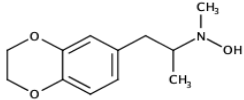
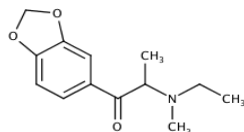
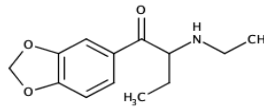
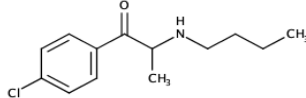
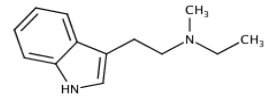
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
2C-B-FLY	2-(4-bromo-2,3,6,7-tetrahydrofuro[2,3-f][1]benzofuran-8-yl)ethanamine	2-(4-bromo-2,3,6,7-tetrahydrofuro[2,3-f][1]benzofuran-8-yl)ethanamine		InChI=1S/C12H14BrNO2/c13-10-9-3-6-15-11(9)7(1-4-14)8-2-5-16-12(8)10/h1-6,14H2	C12H14BrNO2	6/21/2017
4-CIC	4-chloroprcathinone; clipredrone; 4-chloro-N-isopropylcathinone; 4-chloro-alpha-isopropylaminopropiophenone	1-(4-chlorophenyl)-2-[(propan-2-yl)amino]propan-1-one		InChI=1S/C12H16ClNO/c1-8(2)14-9(3)12(15)10-4-6-11(13)7-5-10/h4-9,14H,1-3H3	C12H16ClNO	3/14/2017
4F-Pentedrone	4-FPD; 4-fluoro-alpha-methylamino-valerophenone; 4-fluoropentedrone	1-(4-fluorophenyl)-2-(methylamino)pentan-1-one		InChI=1S/C12H16FNO/c1-3-4-11(14-2)12(15)9-5-7-10(13)8-6-9/h5-8,11,14H,3-4H2,1-2H3	C12H16FNO	1/9/2017
4-MPM	4-methylphenmetrazine; mephenmetrazine	3-methyl-2-(4-methylphenyl)morpholine		InChI=1S/C12H17NO/c1-9-3-5-11(6-4-9)12-10(2)13-7-8-14-12/h3-6,10,12-13H,7-8H2,1-2H3	C12H17NO	7/2/2019
MDDMA	3,4-methylenedioxy-N,N-dimethyl-amphetamine; N,N-dimethyl-MDA	[1-(2H-1,3-benzodioxol-5-yl)propan-2-yl]dimethylamine		InChI=1S/C12H17NO2/c1-9(13(2)3)6-10-4-5-11-12(7-10)15-8-14-11/h4-5,7,9H,6,8H2,1-3H3	C12H17NO2	7/11/2017

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NFLIS-Drug Substance List

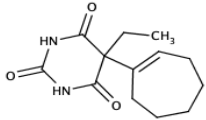
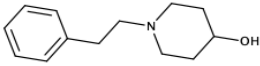
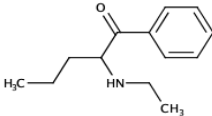
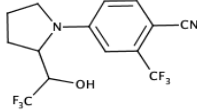
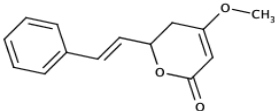
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
EFLEA	N-hydroxy-N-methyl-3,4-ethylenedioxyamphetamine	N-[1-(2,3-dihydro-1,4-benzodioxin-6-yl)propan-2-yl]-N-methylhydroxylamine		InChI=1S/C12H17NO3/c1-9(13(2)14)7-10-3-4-11-12(8-10)16-6-5-15-11/h3-4,8-9,14H,5-7H2,1-2H3	C12H17NO3	1/29/2018
N-Methylethylone	N-ethylmethylone; 3,4-methylenedioxy-N-ethyl-N-methylcathinone; 1-(benzo[d][1,3]dioxol-5-yl)-2-(ethyl(methyl)amino)propan-1-one	1-(2H-1,3-benzodioxol-5-yl)-2-[ethyl(methyl)amino]propan-1-one		InChI=1S/C13H17NO3/c1-4-14(3)9(2)13(15)10-5-6-11-12(7-10)17-8-16-11/h5-7,9H,4,8H2,1-3H3	C13H17NO3	6/8/2019
Eutylone	bk-EBDB; beta-keto-ethylbenzodioxolylbutanamine; 1-(1,3-benzodioxol-5-yl)-2-(ethylamino)butan-1-one	1-(2H-1,3-benzodioxol-5-yl)-2-(ethylamino)butan-1-one		InChI=1S/C13H17NO3/c1-3-10(14-4-2)13(15)9-5-6-11-12(7-9)17-8-16-11/h5-7,10,14H,3-4,8H2,1-2H3	C13H17NO3	2/23/2017
4-CBC	4-chlorobutylcathinone; 4-chloro-N-butylcathinone	2-(butylamino)-1-(4-chlorophenyl)propan-1-one		InChI=1S/C13H18ClNO/c1-3-4-9-15-10(2)13(16)11-5-7-12(14)8-6-11/h5-8,10,15H,3-4,9H2,1-2H3	C13H18ClNO	6/21/2017
N-Methyl-N-ethyltryptamine	MET; methylethyltryptamine	ethyl[2-(1H-indol-3-yl)ethyl]methylamine		InChI=1S/C13H18N2/c1-3-15(2)9-8-11-10-14-13-7-5-4-6-12(11)13/h4-7,10,14H,3,8-9H2,1-2H3	C13H18N2	10/14/2019

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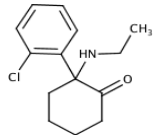
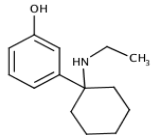
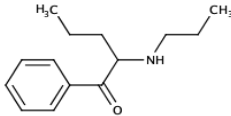
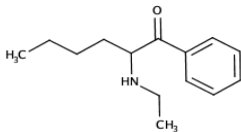
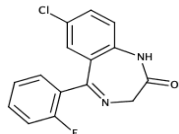
NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Heptabarbital	heptabarb	5-(cyclohept-1-en-1-yl)-5-ethyl-1,3-diazinane-2,4,6-trione		InChI=1S/C13H18N2O3/c1-2-13(9-7-5-3-4-6-8-9)10(16)14-12(18)15-11(13)17/h7H,2-6,8H2,1H3,(H2,14,15,16,17,18)	C13H18N2O3	6/12/2018
1-Phenethyl-4-hydroxypiperidine		1-(2-phenylethyl)piperidin-4-ol		InChI=1S/C13H19NO/c15-13-7-10-14(11-8-13)9-6-12-4-2-1-3-5-12/h1-5,13,15H,6-11H2	C13H19NO	7/14/2021
N-Ethylpentedrone	N-ethylnorpentedrone; alpha-ethylaminopentiophenone	2-(ethylamino)-1-phenylpentan-1-one		InChI=1S/C13H19NO/c1-3-8-12(14-4-2)13(15)11-9-6-5-7-10-11/h5-7,9-10,12,14H,3-4,8H2,1-2H3	C13H19NO	2/8/2018
Ligandrol	LGD-4033	4-[2-(2,2,2-trifluoro-1-hydroxyethyl)pyrrolidin-1-yl]-2-(trifluoromethyl)benzonitrile		InChI=1S/C14H12F6N2O/c15-13(16,17)10-6-9(4-3-8(10)7-21)22-5-1-2-11(22)12(23)14(18,19)20/h3-4,6,11-12,23H,1-2,5H2	C14H12F6N2O	3/12/2018
Kavain		4-methoxy-6-[(1E)-2-phenylethenyl]-5,6-dihydro-2H-pyran-2-one		InChI=1S/C14H14O3/c1-16-13-9-12(17-14(15)10-13)8-7-11-5-3-2-4-6-11/h2-8,10,12H,9H2,1H3/b8-7+	C14H14O3	6/22/2020

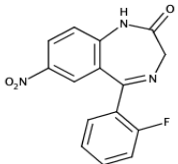
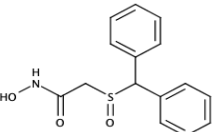
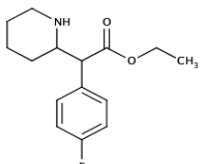
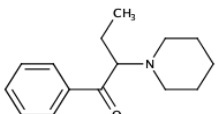
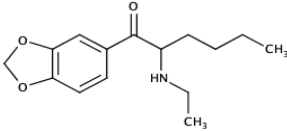
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
N-Ethylorketamine		2-(2-chlorophenyl)-2-(ethylamino)cyclohexan-1-one		InChI=1S/C14H18ClNO/c1-2-16-14(10-6-5-9-13(14)17)11-7-3-4-8-12(11)15/h3-4,7-8,16H,2,5-6,9-10H2,1H3	C14H18ClNO	1/18/2019
3-HO-PCE	3-hydroxyeticyclidine	3-[1-(ethylamino)cyclohexyl]phenol		InChI=1S/C14H21NO/c1-2-15-14(9-4-3-5-10-14)12-7-6-8-13(16)11-12/h6-8,11,15-16H,2-5,9-10H2,1H3	C14H21NO	6/8/2019
N-Propylpentedrone	alpha-propylaminopentiophenone; 2-propylamino-1-phenylpentanone; 2- (propylamino)-valerophenone	1-phenyl-2-(propylamino)pentan-1-one		InChI=1S/C14H21NO/c1-3-8-13(15-11-4-2)14(16)12-9-6-5-7-10-12/h5-7,9-10,13,15H,3-4,8,11H2,1-2H3	C14H21NO	7/26/2017
N-Ethylhexedrone	N-ethylamino-hexanophenone; alpha-ethylaminohexanophenone	2-(ethylamino)-1-phenylhexan-1-one		InChI=1S/C14H21NO/c1-3-5-11-13(15-4-2)14(16)12-9-7-6-8-10-12/h6-10,13,15H,3-5,11H2,1-2H3	C14H21NO	1/5/2017
Desalkylflurazepam	norflurazepam; N-desalkylflurazepam; Ro 5-3367; N-desalkyl-2-oxoquazepam	7-chloro-5-(2-fluorophenyl)-2,3-dihydro-1H-1,4-benzodiazepin-2-one		InChI=1S/C15H10ClFN2O/c16-9-5-6-13-11(7-9)15(18-8-14(20)19-13)10-3-1-2-4-12(10)17/h1-7H,8H2,(H,19,20)	C15H10ClFN2O	3/7/2018

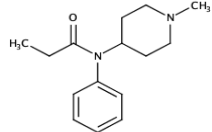
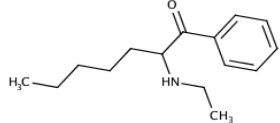
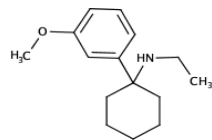
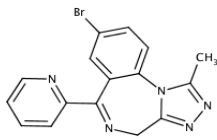
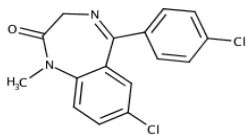
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Norflunitrazepam	desmethylflunitrazepam	5-(2-fluorophenyl)-7-nitro-2,3-dihydro-1H-1,4-benzodiazepin-2-one		InChI=1S/C15H10FN3O3/c16-12-4-2-1-3-10(12)15-11-7-9(19(21)22)5-6-13(11)18-14(20)8-17-15/h1-7H,8H2,(H,18,20)	C15H10FN3O3	11/1/2017
Adrafinil	2-((Diphenylmethyl)sulfinyl)-N-hydroxyacetamide	2-diphenylmethanesulfinyl-N-hydroxyacetamide		InChI=1S/C15H15NO3S/c17-14(16-18)11-20(19)15(12-7-3-1-4-8-12)13-9-5-2-6-10-13/h1-10,15,18H,11H2,(H,16,17)	C15H15NO3S	4/5/2017
4F-EPH	4-fluoroethylphenidate	ethyl 2-(4-fluorophenyl)-2-(piperidin-2-yl)acetate		InChI=1S/C15H20FNO2/c1-2-19-15(18)14(13-5-3-4-10-17-13)11-6-8-12(16)9-7-11/h6-9,13-14,17H,2-5,10H2,1H3	C15H20FNO2	3/14/2018
alpha-PipBP	alpha-piperidinobutiophenone	1-phenyl-2-(piperidin-1-yl)butan-1-one		InChI=1S/C15H21NO/c1-2-14(16-11-7-4-8-12-16)15(17)13-9-5-3-6-10-13/h3,5-6,9-10,14H,2,4,7-8,11-12H2,1H3	C15H21NO	10/23/2017
N-Ethylhexylone		1-(2H-1,3-benzodioxol-5-yl)-2-(ethylamino)hexan-1-one		InChI=1S/C15H21NO3/c1-3-5-6-12(16-4-2)15(17)11-7-8-13-14(9-11)19-10-18-13/h7-9,12,16H,3-6,10H2,1-2H3	C15H21NO3	8/20/2018

2017-2021 NFLIS-Drug Substance List

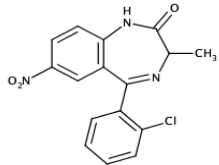
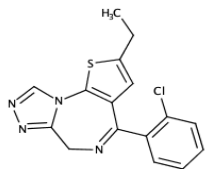
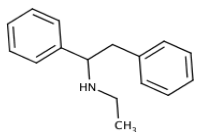
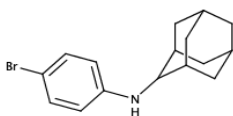
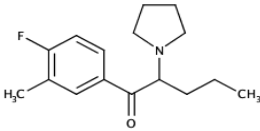
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
N-Methyl norfentanyl		N-(1-methylpiperidin-4-yl)-N-phenylpropanamide		InChI=1S/C15H22N2O/c1-3-15(18)17(13-7-5-4-6-8-13)14-9-11-16(2)12-10-14/h4-8,14H,3,9-12H2,1-2H3	C15H22N2O	4/9/2018
N-Ethylheptedrone		2-(ethylamino)-1-phenylheptan-1-one		InChI=1S/C15H23NO/c1-3-5-7-12-14(16-4-2)15(17)13-10-8-6-9-11-13/h6,8-11,14,16H,3-5,7,12H2,1-2H3	C15H23NO	9/9/2019
3-MeO-PCE	3-methoxy-PCE; 3-methoxy eticyclidine; N-ethyl-1-(3-methoxyphenyl)cyclohexylamine	N-ethyl-1-(3-methoxyphenyl)cyclohexan-1-amine		InChI=1S/C15H23NO/c1-3-16-15(10-5-4-6-11-15)13-8-7-9-14(12-13)17-2/h7-9,12,16H,3-6,10-11H2,1-2H3	C15H23NO	5/1/2017
Pyrazolam		8-bromo-1-methyl-6-(2-pyridinyl)-4H-[1,2,4]triazolo[4,3-a][1,4]benzodiazepine		InChI=1S/C16H12BrN5/c1-10-20-21-15-9-19-16(13-4-2-3-7-18-13)12-8-11(17)5-6-14(12)22(10)15/h2-8H,9H2,1H3	C16H12BrN5	9/9/2019
4'-Chlorodiazepam	Ro5-4864	7-chloro-5-(4-chlorophenyl)-1,3-dihydro-1-methyl-2H-1,4-benzodiazepin-2-one		InChI=1S/C16H12Cl2N2O/c1-20-14-7-6-12(18)8-13(14)16(19-9-15(20)21)10-2-4-11(17)5-3-10/h2-8H,9H2,1H3	C16H12Cl2N2O	6/12/2019

2017-2021

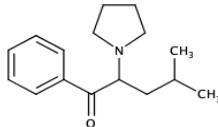
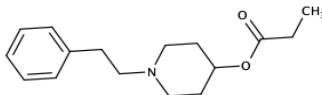
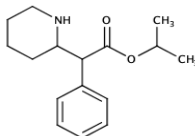
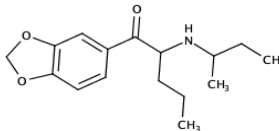
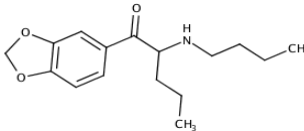
NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Meclonazepam	Ro 11-3128	5-(2-chlorophenyl)-3-methyl-7-nitro-2,3-dihydro-1H-1,4-benzodiazepin-2-one		InChI=1S/C16H12ClN3O3/c1-9-16(21)19-14-7-6-10(20(22)23)8-12(14)15(18-9)11-4-2-3-5-13(11)17/h2-9H,1H3,(H,19,21)	C16H12ClN3O3	2/22/2018
Metizolam	desmethyletizolam	4-(2-chlorophenyl)-2-ethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine		InChI=1S/C16H13ClN4S/c1-2-10-7-12-15(11-5-3-4-6-13(11)17)18-8-14-20-19-9-21(14)16(12)22-10/h3-7,9H,2,8H2,1H3	C16H13ClN4S	5/18/2018
Ephenidine	EPE; NEDPA	N-ethyl-1,2-diphenylethan-1-amine		InChI=1S/C16H19N/c1-2-17-16(15-11-7-4-8-12-15)13-14-9-5-3-6-10-14/h3-12,16-17H,2,13H2,1H3	C16H19N	2/20/2019
Bromantane	ladasten	N-(4-bromophenyl)adamantan-2-amine		InChI=1S/C16H20BrN/c17-14-1-3-15(4-2-14)18-16-12-6-10-5-11(8-12)9-13(16)7-10/h1-4,10-13,16,18H,5-9H2	C16H20BrN	12/7/2020
4F-3-Methyl-alpha-PVP	4-fluoro-3-methyl-alpha-PVP; 4F-3-methyl-alpha-pyrrolidinovalerophenone	4-fluoro-3-methyl-alpha-pyrrolidinopentiophenone		InChI=1S/C16H22FNO/c1-3-6-15(18-9-4-5-10-18)16(19)13-7-8-14(17)12(2)11-13/h7-8,11,15H,3-6,9-10H2,1-2H3	C16H22FNO	10/2/2020

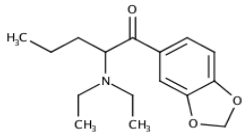
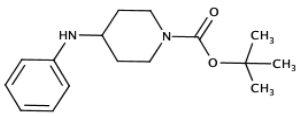
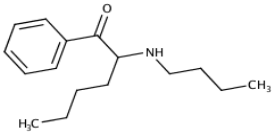
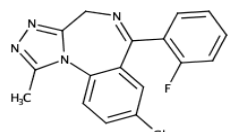
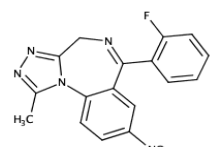
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
alpha-PiHP	alpha-pyrrolidinoisohexanophenone	4-methyl-1-phenyl-2-(pyrrolidin-1-yl)pentan-1-one		InChI=1S/C16H23NO/c1-13(2)12-15(17-10-6-7-11-17)16(18)14-8-4-3-5-9-14/h3-5,8-9,13,15H,6-7,10-12H2,1-2H3	C16H23NO	2/27/2018
1-Phenethyl-4-propionyloxypiperidine		1-(2-phenylethyl)piperidin-4yl]propanoate		InChI=1S/C16H23NO2/c1-2-16(18)19-15-9-12-17(13-10-15)11-8-14-6-4-3-5-7-14/h3-7,15H,2,8-13H2,1H3	C16H23NO2	7/14/2021
Dimethylphenidate	ritalinic acid isopropyl ester; (±)-threo- Isopropylphenidate	propan-2-yl 2-phenyl-2-(piperidin-2-yl)acetate		InChI=1S/C16H23NO2/c1-12(2)19-16(18)15(13-8-4-3-5-9-13)14-10-6-7-11-17-14/h3-5,8-9,12,14-15,17H,6-7,10-11H2,1-2H3	C16H23NO2	7/13/2017
N-sec-Butylpentylone		1-(1,3-benzodioxol-5-yl)-2-(sec-butylamino)pentan-1-one		InChI=1S/C16H23NO3/c1-4-6-13(17-11(3)5-2)16(18)12-7-8-14-15(9-12)20-10-19-14/h7-9,11,13,17H,4-6,10H2,1-3H3	C16H23NO3	11/7/2019
N-Butylpentylone	bk-BBDP; bk-Butyl-K	1-(1,3-benzodioxol-5-yl)-2-(butylamino)pentan-1-one		InChI=1S/C16H23NO3/c1-3-5-9-17-13(6-4-2)16(18)12-7-8-14-15(10-12)20-11-19-14/h7-8,10,13,17H,3-6,9,11H2,1-2H3	C16H23NO3	9/9/2019

2017-2021 NFLIS-Drug Substance List

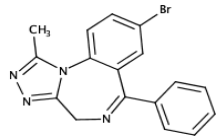
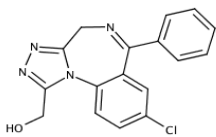
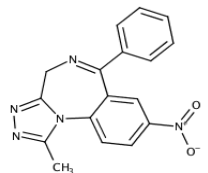
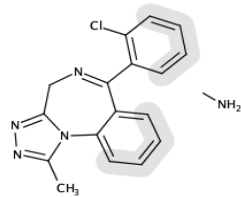
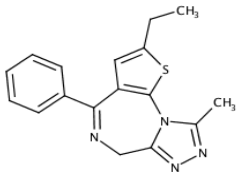
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
N,N-Diethylpentylone	1-(benzo[d][1,3]dioxol-5-yl)-2-(diethylamino)pentan-1-one	1-(2H-1,3-benzodioxol-5-yl)-2-(diethylamino)pentan-1-one		InChI=1S/C16H23NO3/c1-4-7-13(17(5-2)6-3)16(18)12-8-9-14-15(10-12)20-11-19-14/h8-10,13H,4-7,11H2,1-3H3	C16H23NO3	6/8/2019
4-Anilino-1-Boc-piperidine	4-ANBocP; N-Boc-4-AP; 1-BOC-4-(phenylamino)piperidine	tert-butyl 4-(phenylamino)piperidine-1-carboxylate		InChI=1S/C16H24N2O2/c1-16(2,3)20-15(19)18-11-9-14(10-12-18)17-13-7-5-4-6-8-13/h4-8,14,17H,9-12H2,1-3H3	C16H24N2O2	3/11/2020
N-Butylhexedrone	alpha-butylaminohexanophenone	2-(butylamino)-1-phenylhexan-1-one		InChI=1S/C16H25NO/c1-3-5-12-15(17-13-6-4-2)16(18)14-10-8-7-9-11-14/h7-11,15,17H,3-6,12-13H2,1-2H3	C16H25NO	9/24/2019
Flualprazolam		8-chloro-6-(2-fluorophenyl)-1-methyl-4H-benzo[f][1,2,4]triazolo[4,3-a][1,4]diazepine		InChI=1S/C17H12ClFN4/c1-10-21-22-16-9-20-17(12-4-2-3-5-14(12)18)13-8-7-15(13)23(10)16/h2-8H,9H2,1H3	C17H12ClFN4	5/9/2018
Flunitrazolam		1-methyl-8-nitro-6-(2-fluorophenyl)-4H-[1,2,4]triazolo[4,3-a][1,4]benzodiazepine		InChI=1S/C17H12FN5O2/c1-10-20-21-16-9-19-17(12-4-2-3-5-14(12)18)13-8-11(23(24)25)6-7-15(13)22(10)16/h2-8H,9H2,1H3	C17H12FN5O2	9/12/2018

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NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Bromazolam		8-bromo-1-methyl-6-phenyl-4H-[1,2,4]triazolo[4,3-a][1,4]benzodiazepine		InChI=1S/C17H13BrN4/c1-11-20-21-16-10-19-17(12-5-3-2-4-6-12)14-9-13(18)7-8-15(14)22(11)16/h2-9H,10H2,1H3	C17H13BrN4	8/28/2017
alpha-Hydroxyalprazolam	U-40125	8-chloro-6-phenyl-4H-[1,2,4]triazolo[4,3-a][1,4]benzodiazepine-1-methanol		InChI=1S/C17H13ClN4O/c18-12-6-7-14-13(8-12)17(11-4-2-1-3-5-11)19-9-15-20-21-16(10-23)22(14)15/h1-8,23H,9-10H2	C17H13ClN4O	2/8/2019
Nitrazolam		1-methyl-8-nitro-6-phenyl-4H-[1,2,4]triazolo[4,3-a][1,4]benzodiazepine		InChI=1S/C17H13N5O2/c1-11-19-20-16-10-18-17(12-5-3-2-4-6-12)14-9-13(22(23)24)7-8-15(14)21(11)16/h2-9H,10H2,1H3	C17H13N5O2	6/12/2019
Aminoclonazepam					C17H14ClN5	3/9/2021
Deschloroetizolam		2-ethyl-9-methyl-4-phenyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine		InChI=1S/C17H16N4S/c1-3-13-9-14-16(12-7-5-4-6-8-12)18-10-15-20-19-11(2)21(15)17(14)22-13/h4-9H,3,10H2,1-2H3	C17H16N4S	6/12/2019

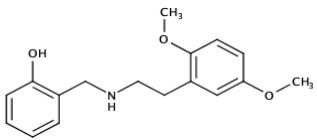
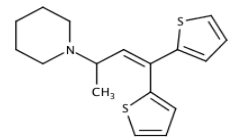
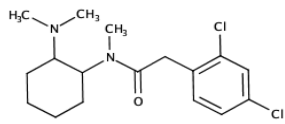
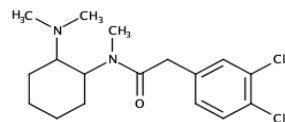
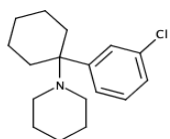
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
25B-NBF	2C-B-NBF; 2-(4-bromo-2,5-dimethoxyphenyl)-N-(2-fluorobenzyl)ethan-1-amine	[2-(4-bromo-2,5-dimethoxyphenyl)ethyl][[(2-fluorophenyl)methyl]amine		InChI=1S/C17H19BrFO2/c1-21-16-10-14(18)17(22-2)9-12(16)7-8-20-11-13-5-3-4-6-15(13)19/h3-6,9-10,20H,7-8,11H2,1-2H3	C17H19BrFO2	4/5/2017
Benzedrone	4-MBC	2-(benzylamino)-1-(4-methylphenyl)propan-1-one		InChI=1S/C17H19NO/c1-13-8-10-16(11-9-13)17(19)14(2)18-12-15-6-4-3-5-7-15/h3-11,14,18H,12H2,1-2H3	C17H19NO	9/4/2019
4-Methylthio-N-benzylcathinone		2-(benzylamino)-1-(4-(methylthio)phenyl)propan-1-one		InChI=1S/C17H19NOS/c1-13(18-12-14-6-4-3-5-7-14)17(19)15-8-10-16(20-2)11-9-15/h3-11,13,18H,12H2,1-2H3	C17H19NOS	9/10/2019
25B-NBOH	4-bromo-2,5-dimethoxy-[N-(2-hydroxybenzyl)]phenethylamine	2-([2-(4-bromo-2,5-dimethoxyphenyl)ethyl]amino)methyl)phenol		InChI=1S/C17H20BrNO3/c1-21-16-10-14(18)17(22-2)9-12(16)7-8-19-11-13-5-3-4-6-15(13)20/h3-6,9-10,19-20H,7-8,11H2,1-2H3	C17H20BrNO3	3/13/2017
25C-NBOH	4-chloro-2,5-dimethoxy-[N-(2-hydroxybenzyl)]phenethylamine	2-([2-(4-chloro-2,5-dimethoxyphenyl)ethyl]amino)methyl)phenol		InChI=1S/C17H20ClNO3/c1-21-16-10-14(18)17(22-2)9-12(16)7-8-19-11-13-5-3-4-6-15(13)20/h3-6,9-10,19-20H,7-8,11H2,1-2H3	C17H20ClNO3	9/28/2018

2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
25H-NBOH	2,5-dimethoxy-[N-(2-hydroxybenzyl)]phenethylamine	2-({[2-(2,5-dimethoxyphenyl)ethyl]amino)methyl}phenol		InChI=1S/C17H21NO3/c1-20-15-7-8-17(21-2)13(11-15)9-10-18-12-14-5-3-4-6-16(14)19/h3-8,11,18-19H,9-10,12H2,1-2H3	C17H21NO3	9/28/2018
Piperidylthiambutene	piperidinohton; 1-(1-methyl-3,3-di-2-thienyl-2-propen-1-yl)-piperidine	1-[4,4-bis(thiophen-2-yl)but-3-en-2-yl]piperidine		InChI=1S/C17H21NS2/c1-14(18-9-3-2-4-10-18)13-15(16-7-5-11-19-16)17-8-6-12-20-17/h5-8,11-14H,2-4,9-10H2,1H3	C17H21NS2	9/9/2019
U-48800		2-(2,4-dichlorophenyl)-N-[2-(dimethylamino)cyclohexyl]-N-methylacetamide		InChI=1S/C17H24Cl2N2O/c1-20(2)15-6-4-5-7-16(15)21(3)17(22)10-12-8-9-13(18)11-14(12)19/h8-9,11,15-16H,4-7,10H2,1-3H3	C17H24Cl2N2O	10/3/2017
U-51754	methene U-47700	2-(3,4-dichlorophenyl)-N-[2-(dimethylamino)cyclohexyl]-N-methylacetamide		InChI=1S/C17H24Cl2N2O/c1-20(2)15-6-4-5-7-16(15)21(3)17(22)11-12-8-9-13(18)14(19)10-12/h8-10,15-16H,4-7,11H2,1-3H3	C17H24Cl2N2O	8/7/2017
3Cl-PCP	3-chloro-PCP; 3-chloro-phencyclidine	1-[1-(3-chlorophenyl)cyclohexyl]-piperidine		InChI=1S/C17H24ClN/c18-16-9-7-8-15(14-16)17(10-3-1-4-11-17)19-12-5-2-6-13-19/h7-9,14H,1-6,10-13H2	C17H24ClN	3/16/2021

2017-2021 NFLIS-Drug Substance List

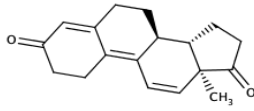
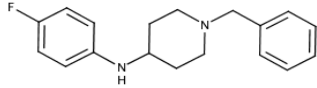
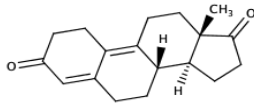
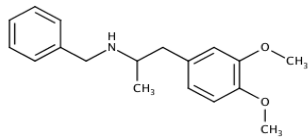
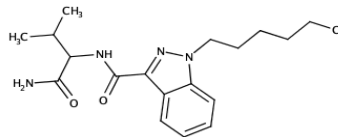
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
3,4-Methylenedioxy U-47700	3,4-MDO-U-47700; N-(2-(dimethylamino)cyclohexyl)-N-methylbenzo[d][1,3]dioxole-5-carboxamide	N-[2-(dimethylamino)cyclohexyl]-N-methyl-2H-1,3-benzodioxole-5-carboxamide		InChI=1S/C17H24N2O3/c1-18(2)13-6-4-5-7-14(13)19(3)17(20)12-8-9-15-16(10-12)22-11-21-15/h8-10,13-14H,4-7,11H2,1-3H3	C17H24N2O3	3/2/2018
3-Hydroxy PCP	3-hydroxy phencyclidine; 3-OH-PCP	3-[1-(piperidin-1-yl)cyclohexyl]phenol		InChI=1S/C17H25NO/c19-16-9-7-8-15(14-16)17(10-3-1-4-11-17)18-12-5-2-6-13-18/h7-9,14,19H,1-6,10-13H2	C17H25NO	11/6/2018
UF-17		N-[2-(dimethylamino)cyclohexyl]-N-phenylpropionamide		InChI=1S/C17H26N2O/c1-4-17(20)19(14-10-6-5-7-11-14)16-13-9-8-12-15(16)18(2)3/h5-7,10-11,15-16H,4,8-9,12-13H2,1-3H3	C17H26N2O	1/19/2021
6-MeO-DIPT	6-methoxy-N,N-diisopropyltryptamine; 6-methoxy-N,N-bis(1-methylethyl)-1H-indole-3-ethanamine	[2-(6-methoxy-1H-indol-3-yl)ethyl]bis(propan-2-yl)amine		InChI=1S/C17H26N2O/c1-12(2)19(13(3)4)9-8-14-11-18-17-10-15(20-5)6-7-16(14)17/h6-7,10-13,18H,8-9H2,1-5H3	C17H26N2O	10/31/2017
alpha-D2PV	alpha-pyrrolidino-2-phenylacetophenone	1,2-diphenyl-2-(pyrrolidin-1-yl)ethan-1-one		InChI=1S/C18H19NO/c20-18(16-11-5-2-6-12-16)17(19-13-7-8-14-19)15-9-3-1-4-10-15/h1-6,9-12,17H,7-8,13-14H2	C18H19NO	4/28/2021

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NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Trendione		(8S,13S,14S)-13-methyl-1,2,6,7,8,14,15,16-octahydrocyclopenta[a]phenanthrene-3,17-dione		InChI=1S/C18H20O2/c1-18-9-8-14-13-5-3-12(19)10-11(13)2-4-15(14)16(18)6-7-17(18)20/h8-10,15-16H,2-7H2,1H3/t15-,16+,18+/m1/s1	C18H20O2	11/8/2017
para-Fluoro-4-ANBP	4-fluoro-4-ANBP; despropionyl N-benzyl para-fluoro norfentanyl; N-(4-fluorophenyl)-1-(phenylmethyl)-4-piperidinamine	1-benzyl-N-(4-fluorophenyl)piperidin-4-amine		InChI=1S/C18H21FN2/c19-16-6-8-17(9-7-16)20-18-10-12-21(13-11-18)14-15-4-2-1-3-5-15/h1-9,18,20H,10-14H2	C18H21FN2	12/27/2018
Dienedione		13-methyl-1,2,6,7,8,11,12,14,15,16-decahydrocyclopenta[a]phenanthrene-3,17-dione		InChI=1S/C18H22O2/c1-18-9-8-14-13-5-3-12(19)10-11(13)2-4-15(14)16(18)6-7-17(18)20/h10,15-16H,2-9H2,1H3/t15-,16+,18+/m1/s1	C18H22O2	9/7/2017
N-Benzyl-3,4-DMA	N-benzyl-3,4-dimethoxyamphetamine; NSC 27115	N-benzyl-1-(3,4-dimethoxyphenyl)propan-2-amine		InChI=1S/C18H23NO2/c1-14(19-13-15-7-5-4-6-8-15)11-16-9-10-17(20-2)18(12-16)21-3/h4-10,12,14,19H,11,13H2,1-3H3	C18H23NO2	6/25/2019
5Cl-AB-PINACA	5-chloro-AB-PINACA	N-(1-amino-3-methyl-1-oxobutan-2-yl)-1-(5-chloropentyl)-1H-indazole-3-carboxamide		InChI=1S/C18H25ClN4O2/c1-12(2)15(17(20)24)21-18(25)16-13-8-4-5-9-14(13)23(22-16)11-7-3-6-10-19/h4-5,8-9,12,15H,3,6-7,10-11H2,1-2H3,(H2,20,24)(H,21,25)	C18H25ClN4O2	5/5/2017

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NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
5F-AB-P7AICA	5-fluoro-AB-P7AICA; 5F-AB-7-PAICA	N-(1-amino-3-methyl-1-oxobutan-2-yl)-1-(5-fluoropentyl)-1H-pyrrolo[2,3-b]pyridine-3-carboxamide		InChI=1S/C18H25FN4O2/c1-12(2)15(16(20)24)22-18(25)14-11-23(10-5-3-4-8-19)17-13(14)7-6-9-21-17/h6-7,9,11-12,15H,3-5,8,10H2,1-2H3,(H2,20,24)(H,22,25)/t15-/m0/s1	C18H25FN4O2	1/20/2021
alpha-PCYP	alpha-pyrrolidinocyclohexanophenone	2-cyclohexyl-1-phenyl-2-(pyrrolidin-1-yl)ethan-1-one		InChI=1S/C18H25NO/c20-18(16-11-5-2-6-12-16)17(19-13-7-8-14-19)15-9-3-1-4-10-15/h2,5-6,11-12,15,17H,1,3-4,7-10,13-14H2	C18H25NO	5/10/2021
TH-PBP	3',4'-tetramethylene-alpha-pyrrolidinobutiophenone	2-(pyrrolidin-1-yl)-1-(5,6,7,8-tetrahydronaphthalen-2-yl)butan-1-one		InChI=1S/C18H25NO/c1-2-17(19-11-5-6-12-19)18(20)16-10-9-14-7-3-4-8-15(14)13-16/h9-10,13,17H,2-8,11-12H2,1H3	C18H25NO	4/11/2017
3,4-Methylenedioxy PV8		1-(1,3-benzodioxol-5-yl)-2-(1-pyrrolidinyl)heptan-1-one		InChI=1S/C18H25NO3/c1-2-3-4-7-15(19-10-5-6-11-19)18(20)14-8-9-16-17(12-14)22-13-21-16/h8-9,12,15H,2-7,10-11,13H2,1H3	C18H25NO3	9/9/2019
Isopropyl U-47700	3,4-dichloro-N-(2-(dimethylamino)cyclohexyl)-N-isopropylbenzamide	3,4-dichloro-N-[2-(dimethylamino)cyclohexyl]-N-(propan-2-yl)benzamide		InChI=1S/C18H26Cl2N2O/c1-12(2)22(17-8-6-5-7-16(17)21(3)4)18(23)13-9-10-14(19)15(20)11-13/h9-12,16-17H,5-8H2,1-4H3/t18H26Cl2N2O	C18H26Cl2N2O	6/1/2018

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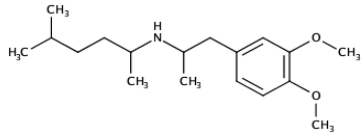
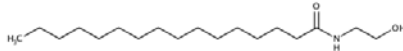
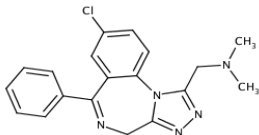
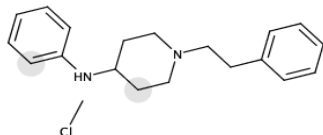
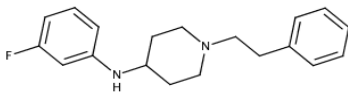
NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
U-49900		3,4-dichloro-N-[2-(diethylamino)cyclohexyl]-N-methylbenzamide		6-8-16(17)21(3)18(23)13-10-11-14(19)15(20)12-13/h10-12,16-17H,4-9H2,1-3H3	C18H26Cl2N2O	3/6/2017
AP-238		1-(4-cinnamyl-2,6-dimethylpiperazin-1-yl)propan-1-one		InChI=1S/C18H26N2O/c1-4-18(21)20-15(2)13-19(14-16(20)3)12-8-11-17-9-6-5-7-10-17/h5-11,15-16H,4,12-14H2,1-3H3	C18H26N2O	1/16/2021
2-Methyl AP-237	2-methyl bucinnazine	1-[2-methyl-4-[(2E)-3-phenylprop-2-en-1-yl]piperazin-1-yl]butan-1-one		InChI=1S/C18H26N2O/c1-3-8-18(21)20-14-13-19(15-16(20)2)12-7-11-17-9-5-4-6-10-17/h4-7,9-11,16H,3,8,12-15H2,1-2H3/b11-7+	C18H26N2O	12/6/2019
4-AcO-DPT	4-acetoxy-DPT; 4-acetoxy-N,N-dipropyltryptamine	3-[2-(dipropylamino)ethyl]-1H-indol-4-yl acetate		InChI=1S/C18H26N2O2/c1-4-10-20(11-5-2)12-9-15-13-19-16-7-6-8-17(18(15)16)22-14(3)21/h6-8,13,19H,4-5,9-12H2,1-3H3	C18H26N2O2	3/28/2018
ADB-BUTINACA		N-(1-amino-3,3-dimethyl-1-oxobutan-2-yl)-1-butyl-1H-indazole-3-carboxamide		InChI=1S/C18H26N4O2/c1-5-6-11-22-13-10-8-7-9-12(13)14(21-22)17(24)20-15(16(19)23)18(2,3)4/h7-10,15H,5-6,11H2,1-4H3,(H2,19,23)(H,20,24)	C18H26N4O2	6/2/2020

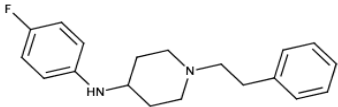
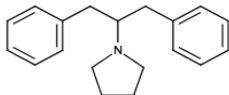
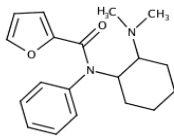
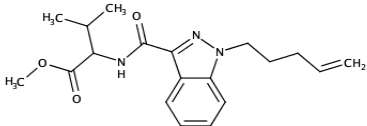
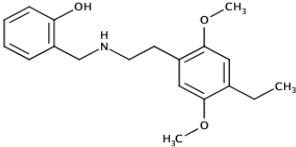
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
N-(1,4-Dimethylpentyl)-3,4-DMA	N-(1,4-dimethylpentyl)-3,4-dimethoxyamphetamine	N-(1,4-dimethylpentyl)-3,4-dimethoxy-alpha-methylbenzeneethanamine		InChI=1S/C18H31NO2/c1-13(2)7-8-14(3)19-15(4)11-16-9-10-17(20-5)18(12-16)21-6/h9-10,12-15,19H,7-8,11H2,1-6H3	C18H31NO2	7/10/2020
Palmitoylethanolamide	PEA	N-(2-hydroxyethyl)hexadecanamide		InChI=1S/C18H37NO2/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-18(21)19-16-17-20/h20H,2-17H2,1H3,(H,19,21)	C18H37NO2	6/12/2019
Adinazolam		8-chloro-N,N-dimethyl-6-phenyl-4H-[1,2,4]triazolo[4,3-a][1,4]benzodiazepine-1-methanamine		InChI=1S/C19H18ClN5/c1-24(2)12-18-23-22-17-11-21-19(13-6-4-3-5-7-13)15-10-14(20)8-9-16(15)25(17)18/h3-10H,11-12H2,1-2H3	C19H18ClN5	10/22/2019
2Cl 4-ANPP	2-chloro 4-ANPP				C19H23ClN2	2/5/2021
Despropionyl meta-fluorofentanyl	meta-fluoro 4-ANPP; despropionyl 3-fluorofentanyl	N-(3-fluorophenyl)-1-(2-phenylethyl)piperidin-4-amine		InChI=1S/C19H23FN2/c20-17-7-4-8-19(15-17)21-18-10-13-22(14-11-18)12-9-16-5-2-1-3-6-16/h1-8,15,18,21H,9-14H2	C19H23FN2	5/23/2019

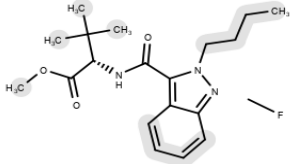
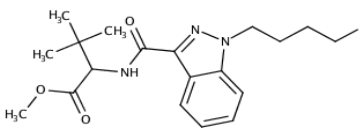
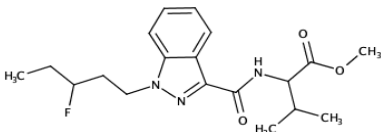
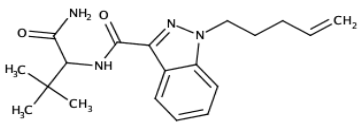
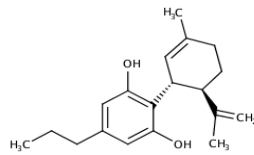
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Despropionyl para-fluorofentanyl	N-(4-fluorophenyl)-1-phenethylpiperidin-4-amine; despropionyl 4-fluorofentanyl; para-fluoro 4-ANPP	N-(4-fluorophenyl)-1-(2-phenylethyl)piperidin-4-amine		InChI=1S/C19H23FN2/c20-17-6-8-18(9-7-17)21-19-11-14-22(15-12-19)13-10-16-4-2-1-3-5-16/h1-9,19,21H,10-15H2	C19H23FN2	9/25/2018
1-(1,3-Diphenylpropan-2-yl)-pyrrolidine	1-[2-phenyl-1-(phenylmethyl)ethyl]-pyrrolidine	1-(1,3-diphenylpropan-2-yl)pyrrolidine		InChI=1S/C19H23N/c1-3-9-17(10-4-1)15-19(20-13-7-8-14-20)16-18-11-5-2-6-12-18/h1-6,9-12,19H,7-8,13-16H2	C19H23N	10/15/2018
Furanyl UF-17		N-[2-(dimethylamino)cyclohexyl]-N-phenylfuran-2-carboxamide		InChI=1S/C19H24N2O2/c1-20(2)16-11-6-7-12-17(16)21(15-9-4-3-5-10-15)19(22)18-13-8-14-23-18/h3-5,8-10,13-14,16-17H,6-7,11-12H2,1-2H3	C19H24N2O2	9/9/2019
MMB-4en-PINACA		methyl 3-methyl-2-(1-(pent-4-en-1-yl)-1H-indazole-3-carboxamido)butanoate		InChI=1S/C19H25N3O3/c1-5-6-9-12-22-15-11-8-7-10-14(15)17(21-22)18(23)20-16(13(2)3)19(24)25-4/h5,7-8,10-11,13,16H,1,6,9,12H2,2-4H3,(H,20,23)/t16-m/s1	C19H25N3O3	6/3/2020
25E-NBOH	4-ethyl-2,5-dimethoxy-[N-(2-hydroxybenzyl)]phenethylamine	2-({[2-(4-ethyl-2,5-dimethoxyphenyl)ethyl]amino}methyl)phenol		InChI=1S/C19H25NO3/c1-4-14-11-19(23-3)15(12-18(14)22-2)9-10-20-13-16-7-5-6-8-17(16)21/h5-8,11-12,20-21H,4,9-10,13H2,1-3H3	C19H25NO3	10/24/2018

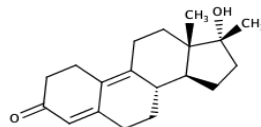
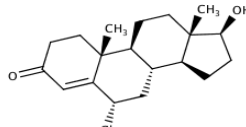
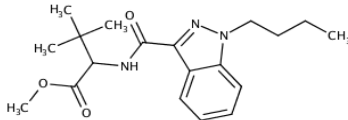
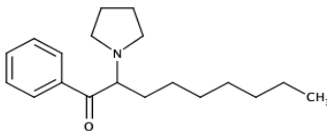
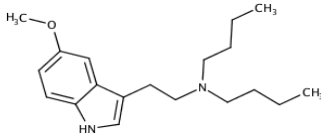
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Fluoro-MDMB-BUTINACA 2'-indazole isomer	fluoro-MDMB-BINACA 2'-indazole isomer				C19H26FN3O3	8/8/2019
4F-MDMB-BUTINACA	4-fluoro-MDMB-BUTINACA; 4F-MDMB-BINACA	methyl 2-(1-(4-fluorobutyl)-1H-indazole-3-carboxamido)-3,3-dimethylbutanoate		InChI=1S/C19H26FN3O3/c1-19(2,3)16(18(25)26-4)21-17(24)15-13-9-5-6-10-14(13)23(22-15)12-8-7-11-20/h5-6,9-10,16H,7-8,11-12H2,1-4H3,(H,21,24)	C19H26FN3O3	2/11/2019
3F-AMB	3-fluoro-AMB	methyl 2-(1-(3-fluoropentyl)-1H-indazole-3-carboxamido)-3-methylbutanoate		InChI=1S/C19H26FN3O3/c1-5-13(20)10-11-23-15-9-7-6-8-14(15)17(22-23)18(24)21-16(12(2)3)19(25)26-4/h6-9,12-13,16H,5,10-11H2,1-4H3,(H,21,24)	C19H26FN3O3	10/31/2017
ADB-4en-PINACA		N-(1-amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(pent-4-en-1-yl)-1H-indazole-3-carboxamide		InChI=1S/C19H26N4O2/c1-5-6-9-12-23-14-11-8-7-10-13(14)15(22-23)18(25)21-16(17(20)24)19(2,3)4/h5,7-8,10-11,16H,1,6,9,12H2,2-4H3,(H2,20,24)(H,21,25)	C19H26N4O2	5/20/2021
Cannabidivarin	CBDV	2-[(1R,6R)-3-methyl-6-(prop-1-en-2-yl)cyclohex-2-en-1-yl]-5-propylbenzene-1,3-diol		InChI=1S/C19H26O2/c1-5-6-14-10-17(20)19(18(21)11-14)16-9-13(4)7-8-15(16)12(2)3/h9-11,15-16,20-21H,2,5-8H2,1,3-4H3/t15-,16+/m0/s1	C19H26O2	2/20/2019

2017-2021 NFLIS-Drug Substance List

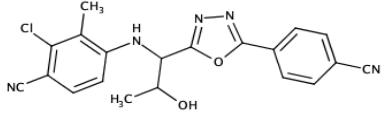
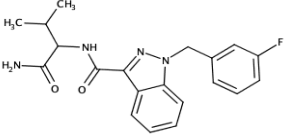
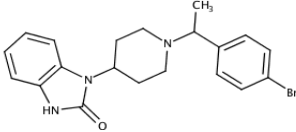
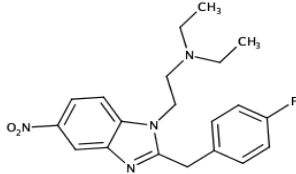
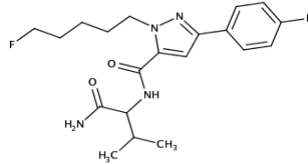
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Methyldienolone	17alpha-methylestra-4,9-dien-17beta-ol-3-one	(17)-17-hydroxy-17-methylestra-4,9-dien-3-one		InChI=1S/C19H26O2/c1-18-9-7-15-14-6-4-13(20)11-12(14)3-5-16(15)17(18)8-10-19(18,2)21/h11,16-17,21H,3-10H2,1-2H3/t16-,17+,18+,19-/m1/s1	C19H26O2	4/4/2017
6-alpha-Chloro testosterone		6alpha-chloro-17beta-hydroxy-androst-4-en-3-one		InChI=1S/C19H27ClO2/c1-18-7-5-11(21)9-15(18)16(20)10-12-13-3-4-17(22)19(13,2)8-6-14(12)18/h9,12-14,16-17,22H,3-8,10H2,1-2H3/t12-,13-,14-,16-,17-,18+,19-/m0/s1	C19H27ClO2	11/18/2019
MDMB-BUTINACA		methyl 2-(1-(butyl)-1H-indazole-3-carboxamido)-3,3-dimethylbutanoate		InChI=1S/C19H27N3O3/c1-6-7-12-22-14-11-9-8-10-13(14)15(21-22)17(23)20-16(18(24)25-5)19(2,3)4/h8-11,16H,6-7,12H2,1-5H3,(H,20,23)	C19H27N3O3	7/18/2019
PV10	alpha-pyrrolidinononanophenone; alpha- PNP	1-phenyl-2-(pyrrolidin-1-yl)nonan-1-one		InChI=1S/C19H29NO/c1-2-3-4-5-9-14-18(20-15-10-11-16-20)19(21)17-12-7-6-8-13-17/h6-8,12-13,18H,2-5,9-11,14-16H2,1H3	C19H29NO	7/19/2017
5-MeO-DBT	5-methoxy-N,N-dibutyltryptamine; 5-MeO-BET; N,N-dibutyl-5-methoxytryptamine	N,N-dibutyl-5-methoxy-1H-indole-3-ethanamine		InChI=1S/C19H30N2O/c1-4-6-11-21(12-7-5-2)13-10-16-15-20-19-9-8-17(22-3)14-18(16)19/h8-9,14-15,20H,4-7,10-13H2,1-3H3	C19H30N2O	9/9/2019

2017-2021

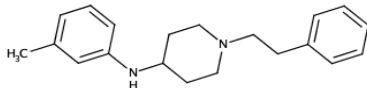
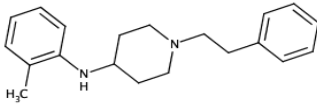
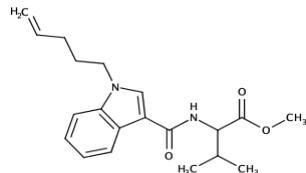
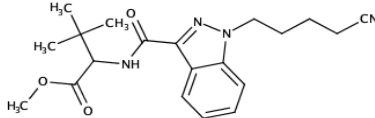
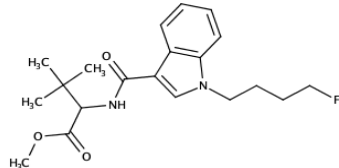
NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Testolone	RAD140	2-chloro-4-({1-[5-(4-cyanophenyl)-1,3,4-oxadiazol-2-yl]-2-hydroxypropyl}amino)-3-methylbenzonitrile		InChI=1S/C20H16ClN5O2/c1-11-16(8-7-15(10-23)17(11)21)24-18(12(2)27)20-26-25-19(28-20)14-5-3-13(9-22)4-6-14/h3-8,12,18,24,27H,1-2H3	C20H16ClN5O2	10/15/2018
AB-FUBINACA 3-fluorobenzyl isomer		N-(1-amino-3-methyl-1-oxobutan-2-yl)-1-(3-fluorobenzyl)-1H-indazole-3-carboxamide		InChI=1S/C20H21FN4O2/c1-12(2)17(19(22)26)23-20(27)18-15-8-3-4-9-16(15)25(24-18)11-13-6-5-7-14(21)10-13/h3-10,12,17H,11H2,1-2H3,(H2,22,26)(H,23,27)	C20H21FN4O2	2/20/2017
Brorphine		1-[1-[1-(4-bromophenyl)ethyl]-4-piperidinyl]-1,3-dihydro-2H-benzimidazol-2-one		InChI=1S/C20H22BrN3O/c1-14(15-6-8-16(21)9-7-15)23-12-10-17(11-13-23)24-19-5-3-2-4-18(19)22-20(24)25/h2-9,14,17H,10-13H2,1H3,(H,22,25)	C20H22BrN3O	10/14/2019
Flunitazene	fluonitazene; 4-fluoro desethoxyetionitazene	N,N-diethyl-2-[2-[(4-fluorophenyl)methyl]-5-nitrobenzimidazol-1-yl]ethanamine		InChI=1S/C20H23FN4O2/c1-3-23(4-2)11-12-24-19-10-9-17(25(26)27)14-18(19)22-20(24)13-15-5-7-16(21)8-6-15/h5-10,14H,3-4,11-13H2,1-2H3	C20H23FN4O2	5/21/2021
5F-3,5-AB-PFUPPYCA	5-fluoro-3,5-AB-PFUPPYCA	N-(1-amino-3-methyl-1-oxobutan-2-yl)-1-(5-fluoropentyl)-3-(4-fluorophenyl)-1H-pyrazole-5-carboxamide		InChI=1S/C20H26F2N4O2/c1-13(2)18(19(23)27)24-20(28)17-12-16(14-6-8-15(22)9-7-14)25-26(17)11-5-3-4-10-21/h6-9,12-13,18H,3-5,10-11H2,1-2H3,(H2,23,27)(H,24,28)	C20H26F2N4O2	9/12/2017

2017-2021 NFLIS-Drug Substance List

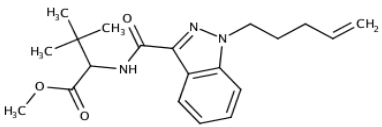
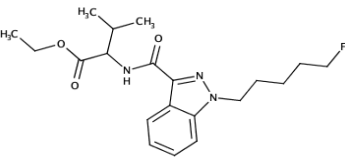
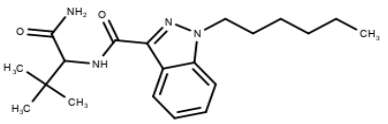
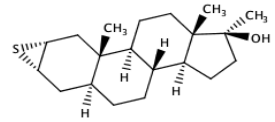
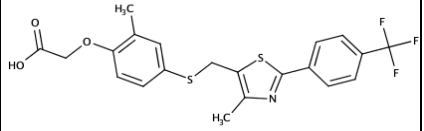
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
meta-Methyl 4-ANPP	despropionyl meta-methylfentanyl	N-(3-methylphenyl)-1-(2-phenylethyl)-4-piperidinamine		InChI=1S/C20H26N2/c1-17-6-5-9-20(16-17)21-19-11-14-22(15-12-19)13-10-18-7-3-2-4-8-18/h2-9,16,19,21H,10-15H2,1H3	C20H26N2	4/20/2021
Despropionyl ortho-methylfentanyl	despropionyl 2-methylfentanyl; ortho-methyl 4-ANPP; N-(o-tolyl)-1-(2-phenylethyl)piperidin-4-amine	N-(2-methylphenyl)-1-(2-phenylethyl)piperidin-4-amine		InChI=1S/C20H26N2/c1-17-7-5-6-10-20(17)21-19-12-15-22(16-13-19)14-11-18-8-3-2-4-9-18/h2-10,19,21H,11-16H2,1H3	C20H26N2	8/8/2018
MMB-022	MMB-4en-PICA	methyl 3-methyl-2-(1-(pent-4-en-1-yl)-1H-indole-3-carboxamido)butanoate		InChI=1S/C20H26N2O3/c1-5-6-9-12-22-13-16(15-10-7-8-11-17(15)22)19(23)21-18(14(2)3)20(24)25-4/h5,7-8,10-11,13-14,18H,1,6,9,12H2,2-4H3,(H,21,23)	C20H26N2O3	10/17/2018
4CN-MDMB-BUTINACA	4CN-MDMB-BINACA; 4-cyano MDMB-BUTINACA; 4CN-BINACA-ADB	methyl 2-(1-(4-cyanobutyl)-1H-indazole-3-carboxamido)-3,3-dimethylbutanoate		InChI=1S/C20H26N4O3/c1-20(2,3)17(19(26)27-4)22-18(25)16-14-10-6-7-11-15(14)24(23-16)13-9-5-8-12-21/h6-7,10-11,17H,5,8-9,13H2,1-4H3,(H,22,25)	C20H26N4O3	12/4/2019
4F-MDMB-BUTICA	4-fluoro-MDMB-BUTICA; 4F-MDMB-BICA	methyl 2-(1-(4-fluorobutyl)-1H-indole-3-carboxamido)-3,3-dimethylbutanoate		InChI=1S/C20H27FN2O3/c1-20(2,3)17(19(25)26-4)22-18(24)15-13-23(12-8-7-11-21)16-10-6-5-9-14(15)16/h5-6,9-10,13,17H,7-8,11-12H2,1-4H3,(H,22,24)	C20H27FN2O3	10/23/2020

2017-2021

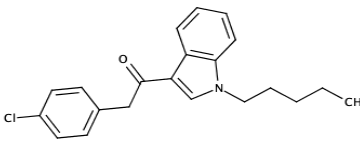
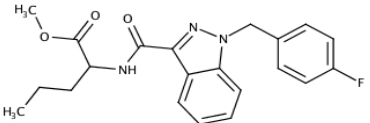
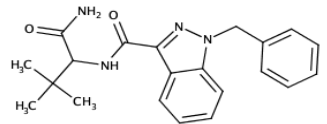
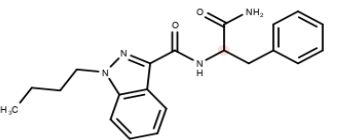
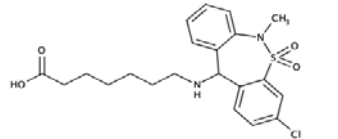
NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
MDMB-4en-PINACA	MDMB-PENINACA; MDMB-PINACA N1-pentyl-4-en isomer	methyl 3,3-dimethyl-2-(1-(pent-4-en-1-yl)-1H-indazole-3-carboxamido)butanoate		InChI=1S/C20H27N3O3/c1-6-7-10-13-23-15-12-9-8-11-14(15)16(22-23)18(24)21-17(19(25)26-5)20(2,3)4/h6,8-9,11-12,17H,1,7,10,13H2,2-5H3,(H,21,24)	C20H27N3O3	5/7/2019
5F-AEB	5-fluoro-AEB; 5F-EMB-PINACA	ethyl 2-(1-(5-fluoropentyl)-1H-indazole-3-carboxamido)-3-methylbutanoate		InChI=1S/C20H28FN3O3/c1-4-27-20(26)17(14(2)3)22-19(25)18-15-10-6-7-11-16(15)24(23-18)13-9-5-8-12-21/h6-7,10-11,14,17H,4-5,8-9,12-13H2,1-3H3,(H,22,25)	C20H28FN3O3	2/22/2017
ADB-HEXINACA	ADB-HINACA	N-(1-amino-3,3-dimethyl-1-oxobutan-2-yl)-1-hexyl-1H-indazole-3-carboxamide		InChI=1S/C20H30N4O2/c1-5-6-7-10-13-24-15-12-9-8-11-14(15)16(23-24)19(26)22-17(18(21)25)20(2,3)4/h8-9,11-12,17H,5-7,10,13H2,1-4H3,(H2,21,25)(H,22,26)	C20H30N4O2	6/17/2021
Methylepiostanol	17alpha-methylepiostanol	(2,3,5,17)-17-methyl-2,3-epithioandrostan-17-ol		InChI=1S/C20H32OS/c1-18-11-17-16(22-17)10-12(18)4-5-13-14(18)6-8-19(2)15(13)7-9-20(19,3)21/h12-17,21H,4-11H2,1-3H3/t12-,13+,14-,15-,16-,17+,18-,19-,20-/m0/s1	C20H32OS	3/9/2018
Cardarine	GW501516	2-[2-methyl-4-[[[4-methyl-2-[4-(trifluoromethyl)phenyl]-1,3-thiazol-5-yl)methyl)sulfanyl]phenoxy]acetic acid		InChI=1S/C21H18F3NO3S2/c1-12-9-16(7-8-17(12)28-10-19(26)27)29-11-18-13(2)25-20(30-18)14-3-5-15(6-4-14)21(22,23)24/h3-9H,10-11H2,1-2H3,(H,26,27)	C21H18F3NO3S2	10/15/2018

2017-2021 NFLIS-Drug Substance List

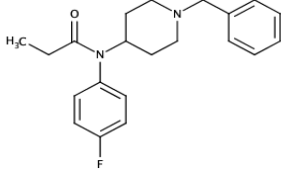
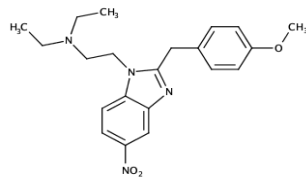
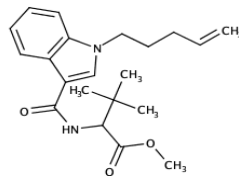
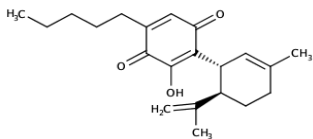
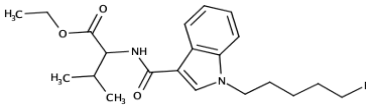
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
JWH-203 4-chlorophenyl isomer	JWH-206	1-pentyl-3-(4-chlorophenylacetyl)indole		InChI=1S/C21H22ClNO/c1-2-3-6-13-23-15-19(18-7-4-5-8-20(18)23)21(24)14-16-9-11-17(22)12-10-16/h4-5,7-12,15H,2-3,6,13-14H2,1H3	C21H22ClNO	6/27/2018
MEP-FUBINACA		methyl 2-(1-(4-fluorobenzyl)-1H-indazole-3-carboxamido)pentanoate		InChI=1S/C21H22FN3O3/c1-3-6-17(21(27)28-2)23-20(26)19-16-7-4-5-8-18(16)25(24-19)13-14-9-11-15(22)12-10-14/h4-5,7-12,17H,3,6,13H2,1-2H3,(H,23,26)	C21H22FN3O3	12/3/2019
ADB-BINACA		N-(1-amino-3,3-dimethyl-1-oxobutan-2-yl)-1-benzyl-1H-indazole-3-carboxamide		InChI=1S/C21H24N4O2/c1-21(2,3)18(19(22)26)23-20(27)17-15-11-7-8-12-16(15)25(24-17)13-14-9-5-4-6-10-14/h4-12,18H,13H2,1-3H3,(H2,22,26)(H,23,27)	C21H24N4O2	1/16/2021
APP-BUTINACA	APP-BINACA	N-(1-amino-1-oxo-3-phenylpropan-2-yl)-1-butyl-1H-indazole-3-carboxamide		InChI=1S/C21H24N4O2/c1-2-3-13-25-18-12-8-7-11-16(18)19(24-25)21(27)23-17(20(22)26)14-15-9-5-4-6-10-15/h4-12,17H,2-3,13-14H2,1H3,(H2,22,26)(H,23,27)	C21H24N4O2	4/15/2019
Tianeptine	(3-chloro-6-methyl-5,5-dioxo-6,11-dihydrodibenzo(c,f)(1,2)thiazepin-11-yl)-7-aminoheptanoic acid	7-[(3-chloro-6-methyl-5,5-dioxo-11H-benzo[c][2,1]benzothiazepin-11-yl)amino]heptanoic acid		InChI=1S/C21H25ClN2O4S/c1-24-18-9-6-5-8-16(18)21(23-13-7-3-2-4-10-20(25)26)17-12-11-15(22)14-19(17)29(24,27)28/h5-6,8-9,11-12,14,21,23H,2-4,7,10,13H2,1H3,(H,25,26)	C21H25ClN2O4S	9/7/2017

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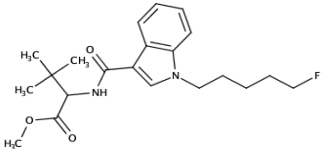
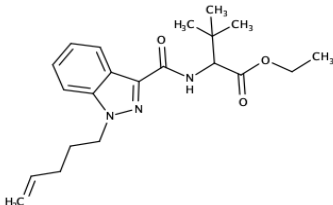
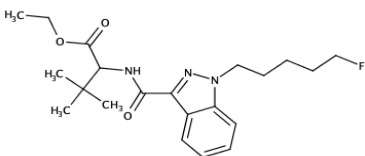
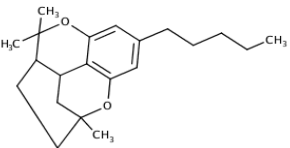
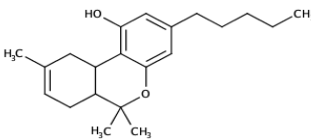
NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
para-Fluoro benzyl fentanyl	N-benzyl para-fluoro norfentanyl; 4- fluoro benzyl fentanyl; N-(4- fluorophenyl)-N-[1-(phenylmethyl)-4- piperidiny]-propanamide	N-(1-benzylpiperidin-4-yl)-N-(4-fluorophenyl)propanamide		InChI=1S/C21H25FN2O/c1-2-21(25)24(19-10-8-18(22)9-11-19)20-12-14-23(15-13-20)16-17-6-4-3-5-7-17/h3-11,20H,2,12-16H2,1H3	C21H25FN2O	11/6/2018
Metonitazene		N,N-diethyl-2-[2-(4-methoxybenzyl)-5-nitro-1H-benzimidazol-1-yl]ethanamine		InChI=1S/C21H26N4O3/c1-4-23(5-2)12-13-24-20-11-8-17(25(26)27)15-19(20)22-21(24)14-16-6-9-18(28-3)10-7-16/h6-11,15H,4-5,12-14H2,1-3H3	C21H26N4O3	9/15/2020
MDMB-4en-PICA		methyl 3,3-dimethyl-2-(1-(pent-4-en-1-yl)-1H-indole-3-carboxamido)butanoate		InChI=1S/C21H28N2O3/c1-6-7-10-13-23-14-16(15-11-8-9-12-17(15)23)19(24)22-18(20(25)26-5)21(2,3)4/h6,8-9,11-12,14,18H,1,7,10,13H2,2-5H3,(H,22,24)	C21H28N2O3	1/19/2021
HU-331	cannabidiolquinone; cannabidiol hydroxy quinone	3-hydroxy-2-[(1R,6R)-3-methyl-6-(1-methylethenyl)-2-cyclohexen-1-yl]-5-pentyl-2,5-cyclohexadiene-1,4-dione		InChI=1S/C21H28O3/c1-5-6-7-8-15-12-18(22)19(21(24)20(15)23)17-11-14(4)9-10-16(17)13(2)3/h11-12,16-17,24H,2,5-10H2,1,3-4H3/t16-,17+/m0/s1	C21H28O3	1/19/2021
5F-EMB-PICA	EMB-2201; 5-fluoro-EMB-PICA	ethyl 2-(1-(5-fluoropentyl)-1H-indole-3-carboxamido)-3-methylbutanoate		InChI=1S/C21H29FN2O3/c1-4-27-21(26)19(15(2)3)23-20(25)17-14-24(13-9-5-8-12-22)18-11-7-6-10-16(17)18/h6-7,10-11,14-15,19H,4-5,8-9,12-13H2,1-3H3,(H,23,25)	C21H29FN2O3	11/12/2020

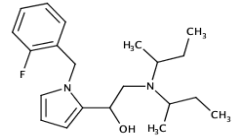
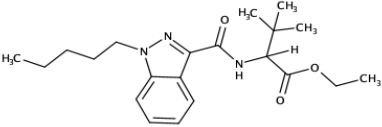
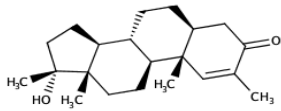
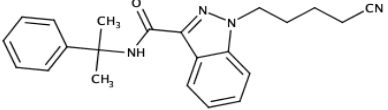
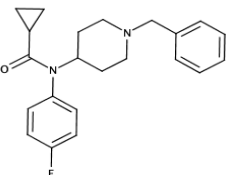
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
5F-MDMB-PICA	5-fluoro-MDMB-PICA; MDMB-2201; 5F-MDMB-2201	methyl 2-(1-(5-fluoropentyl)-1H-indole-3-carboxamido)-3,3-dimethylbutanoate		InChI=1S/C21H29FN2O3/c1-21(2,3)18(20(26)27-4)23-19(25)16-14-24(13-9-5-8-12-22)17-11-7-6-10-15(16)17/h6-7,10-11,14,18H,5,8-9,12-13H2,1-4H3,(H,23,25)	C21H29FN2O3	2/14/2017
EDMB-4en-PINACA		ethyl 3,3-dimethyl-2-(1-(pent-4-en-1-yl)-1H-indazole-3-carboxamido)butanoate		InChI=1S/C21H29N3O3/c1-6-8-11-14-24-16-13-10-9-12-15(16)17(23-24)19(25)22-18(21(3,4)5)20(26)27-7-2/h6,9-10,12-13,18H,1,7-8,11,14H2,2-5H3,(H,22,25)	C21H29N3O3	9/23/2021
5F-EDMB-PINACA	5-fluoro-EDMB-PINACA	ethyl 2-(1-(5-fluoropentyl)-1H-indazole-3-carboxamido)-3,3-dimethylbutanoate		InChI=1S/C21H30FN3O3/c1-5-28-20(27)18(21(2,3)4)23-19(26)17-15-11-7-8-12-16(15)25(24-17)14-10-6-9-13-22/h7-8,11-12,18H,5-6,9-10,13-14H2,1-4H3,(H,23,26)	C21H30FN3O3	11/22/2017
Cannabicitran	CBT	(6aalpha,9beta,10aalpha)-6a,7,8,9,10,10a-hexahydro-6,6,9-trimethyl-3-pentyl-1,9-epoxy-6H-dibenzo[b,d]pyran		InChI=1S/C21H30O2/c1-5-6-7-8-14-11-17-19-15-13-21(4,23-18(19)12-14)10-9-16(15)20(2,3)22-17/h11-12,15-16H,5-10,13H2,1-4H3	C21H30O2	5/9/2019
Delta-8-tetrahydrocannabinol	delta-8-THC	6,6,9-trimethyl-3-pentyl-6H,6aH,7H,10H,10aH-benzo[c]isochromen-1-ol		InChI=1S/C21H30O2/c1-5-6-7-8-15-12-18(22)20-16-11-14(2)9-10-17(16)21(3,4)23-19(20)13-15/h9,12-13,16-17,22H,5-8,10-11H2,1-4H3	C21H30O2	6/12/2017

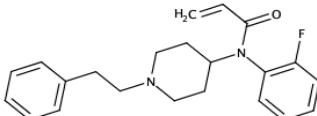
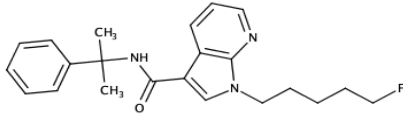
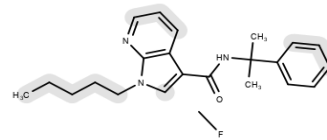
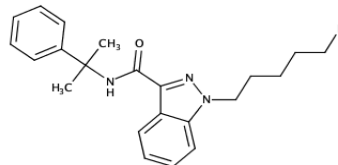
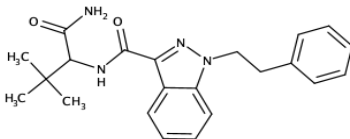
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
2-Fluoro viminol		2-(disec-butylamino)-1-[[1-[(2-fluorophenyl)methyl]pyrrol-2-yl]ethanol		InChI=1S/C21H31FN2O/c1-5-16(3)24(17(4)6-2)15-21(25)20-12-9-13-23(20)14-18-10-7-8-11-19(18)22/h7-13,16-17,21,25H,5-6,14-15H2,1-4H3	C21H31FN2O	6/2/2020
EDMB-PINACA		ethyl 3,3-dimethyl-2-(1-pentyl-1H-indazole-3-carboxamido)butanoate		InChI=1S/C21H31N3O3/c1-6-8-11-14-24-16-13-10-9-12-15(16)17(23-24)19(25)22-18(21(3,4)5)20(26)27-7-2/h9-10,12-13,18H,6-8,11,14H2,1-5H3,(H,22,25)/t18-/m1/s1	C21H31N3O3	9/13/2021
Methylstenbolone	ultradol; methyl-sten	2,17alpha-dimethyl-5alpha-androst-1-en-17beta-ol-3-one		InChI=1S/C21H32O2/c1-13-12-19(2)14(11-18(13)22)5-6-15-16(19)7-9-20(3)17(15)8-10-21(20,4)23/h12,14-17,23H,5-11H2,1-4H3/t14-,15+,16-,17-,19-,20-,21+/m0/s1	C21H32O2	2/21/2021
4CN-CUMYL-BUTINACA	4-cyano-CUMYL-BUTINACA; 4CN-CUMYL-BINACA; SGT-78	1-(4-cyanobutyl)-N-(2-phenylpropan-2-yl)-1H-indazole-3-carboxamide		InChI=1S/C22H24N4O/c1-22(2,17-11-5-3-6-12-17)24-21(27)20-18-13-7-8-14-19(18)26(25-20)16-10-4-9-15-23/h3,5-8,11-14H,4,9-10,16H2,1-2H3,(H,24,27)	C22H24N4O	2/15/2017
para-Fluoro cyclopropyl benzyl fentanyl	N-benzyl para-fluoro cyclopropyl norfentanyl; 4-fluoro cyclopropyl benzyl fentanyl	N-(1-benzylpiperidin-4-yl)-N-(4-fluorophenyl)cyclopropanecarboxamide		InChI=1S/C22H25FN2O/c23-19-8-10-20(11-9-19)25(22(26)18-6-7-18)21-12-14-24(15-13-21)16-17-4-2-1-3-5-17/h1-5,8-11,18,21H,6-7,12-16H2	C22H25FN2O	7/23/2018

2017-2021 NFLIS-Drug Substance List

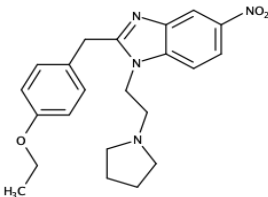
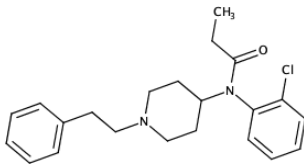
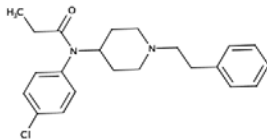
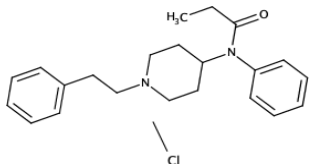
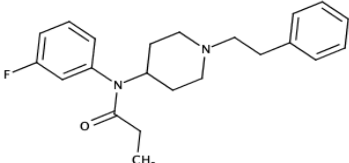
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
ortho-Fluoro acryl fentanyl	2-fluoro acryl fentanyl	N-(2-fluorophenyl)-N-(1-phenethylpiperidin-4-yl)acrylamide		InChI=1S/C22H25FN2O/c1-2-22(26)25(21-11-7-6-10-20(21)23)19-13-16-24(17-14-19)15-12-18-8-4-3-5-9-18/h2-11,19H,1,12-17H2	C22H25FN2O	6/1/2018
5F-CUMYL-P7AICA	5-fluoro-CUMYL-P7AICA; CUMYL-5-fluoro-P7AICA; 5-fluoro-CUMYL-7-PAICA	1-(5-fluoropentyl)-N-(2-phenylpropan-2-yl)-7-azaindole-3-carboxamide		InChI=1S/C22H26FN3O/c1-22(2,17-10-5-3-6-11-17)25-21(27)19-16-26(15-8-4-7-13-23)20-18(19)12-9-14-24-20/h3,5-6,9-12,14,16H,4,7-8,13,15H2,1-2H3,(H,25,27)	C22H26FN3O	6/13/2021
Fluoro-CUMYL-P7AICA					C22H26FN3O	5/9/2018
5F-CUMYL-PINACA	SGT-25; 5-fluoro-CUMYL-PINACA	1-(5-fluoropentyl)-N-(2-phenylpropan-2-yl)-1H-indazole-3-carboxamide		InChI=1S/C22H26FN3O/c1-22(2,17-11-5-3-6-12-17)24-21(27)20-18-13-7-8-14-19(18)26(25-20)16-10-4-9-15-23/h3,5-8,11-14H,4,9-10,15-16H2,1-2H3,(H,24,27)	C22H26FN3O	4/18/2018
ADB-PHETINACA	ADB-PHTINACA	N-(1-amino-3,3-dimethyl-1-oxobutan-2-yl)-1-phenethyl-1H-indazole-3-carboxamide		InChI=1S/C22H26N4O2/c1-22(2,3)19(20(23)27)24-21(28)18-16-11-7-8-12-17(16)26(25-18)14-13-15-9-5-4-6-10-15/h4-12,19H,13-14H2,1-3H3,(H2,23,27)(H,24,28)	C22H26N4O2	9/8/2021

2017-2021

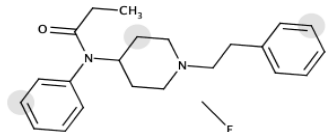
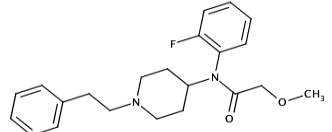
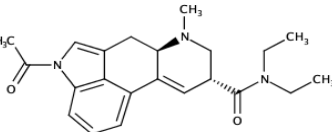
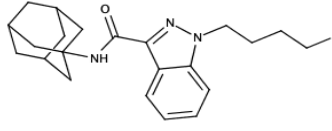
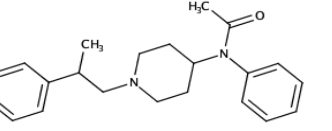
NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
N-Pyrrolidino etonitazene	etonitazepyne	2-[(4-ethoxyphenyl)methyl]-5-nitro-1-[2-(pyrrolidin-1-yl)ethyl]-1H-1,3-benzodiazole		InChI=1S/C22H26N4O3/c1-2-29-19-8-5-17(6-9-19)15-22-23-20-16-18(26(27)28)7-10-21(20)25(22)14-13-24-11-3-4-12-24/h5-10,16H,2-4,11-15H2,1H3	C22H26N4O3	8/11/2021
ortho-Chlorofentanyl		N-(2-chlorophenyl)-N-(1-phenethylpiperidin-4-yl)propionamide		InChI=1S/C22H27ClN2O/c1-2-22(26)25(21-11-7-6-10-20(21)23)19-13-16-24(17-14-19)15-12-18-8-4-3-5-9-18/h3-11,19H,2,12-17H2,1H3	C22H27ClN2O	3/29/2021
para-Chlorofentanyl		N-(4-chlorophenyl)-N-(1-phenethylpiperidin-4-yl)propionamide		InChI=1S/C22H27ClN2O/c1-2-22(26)25(20-10-8-19(23)9-11-20)21-13-16-24(17-14-21)15-12-18-6-4-3-5-7-18/h3-11,21H,2,12-17H2,1H3	C22H27ClN2O	1/16/2021
Chlorofentanyl					C22H27ClN2O	8/24/2020
meta-Fluorofentanyl		N-(3-fluorophenyl)-N-(1-phenethylpiperidin-4-yl)propionamide		InChI=1S/C22H27FN2O/c1-2-22(26)25(21-10-6-9-19(23)17-21)20-12-15-24(16-13-20)14-11-18-7-4-3-5-8-18/h3-10,17,20H,2,11-16H2,1H3	C22H27FN2O	6/13/2021

2017-2021 NFLIS-Drug Substance List

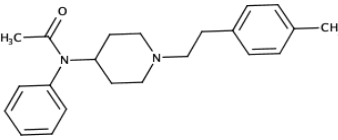
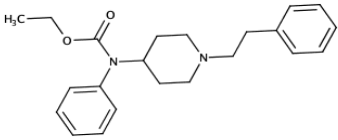
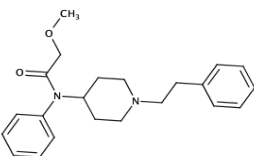
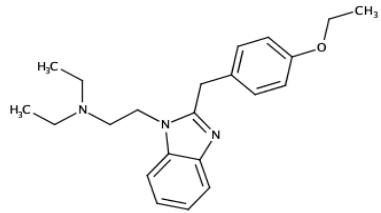
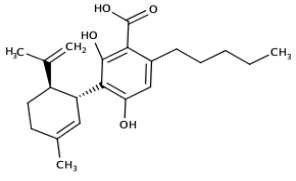
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
3-Fluorofentanyl					C22H27FN2O	3/2/2017
Ocfentanil	A-3217; 2-fluoro methoxyacetyl fentanyl; ortho-fluoro methoxyacetyl fentanyl	N-(2-fluorophenyl)-2-methoxy-N-(1-phenethylpiperidin-4-yl)acetamide		InChI=1S/C22H27FN2O2/c1-27-17-22(26)25(21-10-6-5-9-20(21)23)19-12-15-24(16-13-19)14-11-18-7-3-2-4-8-18/h2-10,19H,11-17H2,1H3	C22H27FN2O2	7/6/2020
ALD-52	1-acetyllysergic acid diethylamide; 1-acetyl-LSD	(8)-1-acetyl-N,N-diethyl-6-methyl-9,10-didehydroergoline-8-carboxamide		InChI=1S/C22H27N3O2/c1-5-24(6-2)22(27)16-10-18-17-8-7-9-19-21(17)15(13-25(19)14(3)26)11-20(18)23(4)12-16/h7-10,13,16,20H,5-6,11-12H2,1-4H3/t16-,20-/m1/s1	C22H27N3O2	3/19/2017
4F-ABUTINACA	4-fluoro-ABUTINACA; N-(4-fluorobutyl)-APINACA; 4F-admantyl-BINACA	N-(1-adamantyl)-1-(4-fluorobutyl)indazole-3-carboxamide		InChI=1S/C22H28FN3O/c23-7-3-4-8-26-19-6-2-1-5-18(19)20(25-26)21(27)24-22-12-15-9-16(13-22)11-17(10-15)14-22/h1-2,5-6,15-17H,3-4,7-14H2,(H,24,27)	C22H28FN3O	1/19/2021
beta-Methyl acetyl fentanyl	desmethyl beta-methylfentanyl	N-phenyl-N-(1-(2-phenylpropyl)piperidin-4-yl)acetamide		InChI=1S/C22H28N2O/c1-18(20-9-5-3-6-10-20)17-23-15-13-22(14-16-23)24(19(2)25)21-11-7-4-8-12-21/h3-12,18,22H,13-17H2,1-2H3	C22H28N2O	3/1/2021

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NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
4'-Methyl acetyl fentanyl	acetyl fentanyl 4-methylphenethyl analog; 4-methylphenethyl acetyl fentanyl	N-[1-[2-(4-methylphenyl)ethyl]piperidin-4-yl]-N-phenylacetamide		InChI=1S/C22H28N2Oc1-18-8-10-20(11-9-18)12-15-23-16-13-22(14-17-23)24(19(2)25)21-6-4-3-5-7-21/h3-11,22H,12-17H2,1-2H3	C22H28N2O	9/25/2018
Fentanyl carbamate	ethylformate fentanyl; ethylformate 4- ANPP; phenyl[1-(2-phenylethyl)-4- piperidiny]-carbamic acid, ethyl ester	ethyl N-phenyl-N-[1-(2-phenylethyl)piperidin-4-yl]carbamate		InChI=1S/C22H28N2O2/c1-2-26-22(25)24(20-11-7-4-8-12-20)21-14-17-23(18-15-21)16-13-19-9-5-3-6-10-19/h3-12,21H,2,13-18H2,1H3	C22H28N2O2	10/14/2018
Methoxyacetyl fentanyl		2-methoxy-N-(1-phenethylpiperidin-4-yl)-N-phenylacetamide		InChI=1S/C22H28N2O2/c1-26-18-22(25)24(20-10-6-3-7-11-20)21-13-16-23(17-14-21)15-12-19-8-4-2-5-9-19/h2-11,21H,12-18H2,1H3	C22H28N2O2	5/5/2017
Etodesnitazene	desnitroetonitazene; etazen; etazone	2-[2-[(4-ethoxyphenyl)methyl]benzimidazol-1-yl]-N,N-diethyl-ethanamine		InChI=1S/C22H29N3O/c1-4-24(5-2)15-16-25-21-10-8-7-9-20(21)23-22(25)17-18-11-13-19(14-12-18)26-6-3/h7-14H,4,6,15-17H2,1-3H3	C22H29N3O	4/9/2021
Cannabidiolic acid		2,4-dihydroxy-3-[(1R,6R)-3-methyl-6-(prop-1-en-2-yl)cyclohex-2-en-1-yl]-6-pentylbenzoic acid		InChI=1S/C22H30O4/c1-5-6-7-8-15-12-18(23)20(21(24)19(15)22(25)26)17-11-14(4)9-10-16(17)13(2)3/h11-12,16-17,23-24H,2,5-10H2,1,3-4H3,(H,25,26)/t16-,17+/m0/s1	C22H30O4	10/9/2018

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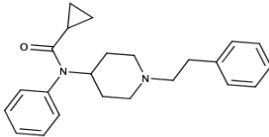
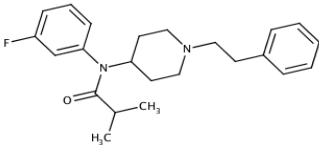
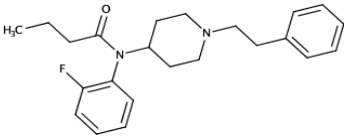
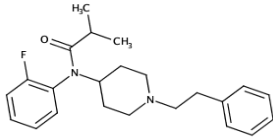
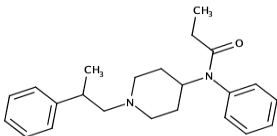
NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
5F-EDMB-PICA	5-fluoro-EDMB-PICA; 5F-EDMB-2201	ethyl 2-(1-(5-fluoropentyl)-1H-indole-3-carboxamido)-3,3-dimethylbutanoate		InChI=1S/C22H31FN2O3/c1-5-28-21(27)19(22(2,3)4)24-20(26)17-15-25(14-10-6-9-13-23)18-12-8-7-11-16(17)18/h7-8,11-12,15,19H,5-6,9-10,13-14H2,1-4H3,(H,24,26)	C22H31FN2O3	1/11/2021
MDMB-CHMINACA		methyl 2-(1-(cyclohexylmethyl)-1H-indazole-3-carboxamido)-3,3-dimethylbutanoate		InChI=1S/C22H31N3O3/c1-22(2,3)19(21(27)28-4)23-20(26)18-16-12-8-9-13-17(16)25(24-18)14-15-10-6-5-7-11-15/h8-9,12-13,15,19H,5-7,10-11,14H2,1-4H3,(H,23,26)	C22H31N3O3	9/25/2018
N-Benzyl furanyl fentanyl	benzyl Fu-F; furanyl benzyl fentanyl; N-benzyl furanyl norfentanyl; N-phenyl-N-[1-(phenylmethyl)-4-piperidinyl]-2-furancarboxamide	N-(1-benzylpiperidin-4-yl)-N-phenylfuran-2-carboxamide		InChI=1S/C23H24N2O2/c26-23(22-12-7-17-27-22)25(20-10-5-2-6-11-20)21-13-15-24(16-14-21)18-19-8-3-1-4-9-19/h1-12,17,21H,13-16,18H2	C23H24N2O2	7/23/2018
Brucine	2,3-dimethoxystrychnine; 2,3-dimethoxystrychnidin-10-one	2,3-dimethoxystrychnidin-10-one		InChI=1S/C23H26N2O4/c1-27-16-8-14-15(9-17(16)28-2)25-20(26)10-18-21-13-7-19-23(14,22(21)25)4-5-24(19)11-12(13)3-6-29-18/h3,8-9,13,18-19,21-22H,4-7,10-11H2,1-2H3/t13-,18-,19-,21-,22-,23+/m0/s1	C23H26N2O4	1/9/2017
Crotonyl fentanyl		(E)-N-(1-phenethylpiperidin-4-yl)-N-phenylbut-2-enamide		InChI=1S/C23H28N2O/c1-2-9-23(26)25(21-12-7-4-8-13-21)22-15-18-24(19-16-22)17-14-20-10-5-3-6-11-20/h2-13,22H,14-19H2,1H3/b9-2+	C23H28N2O	10/31/2017

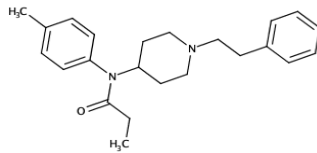
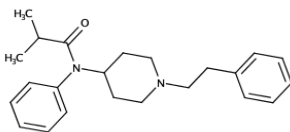
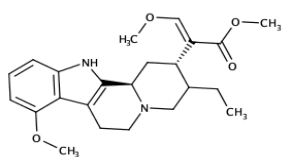
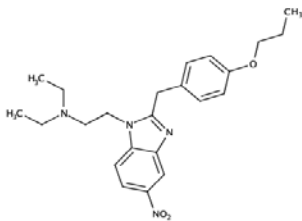
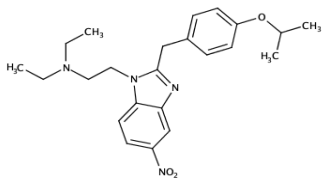
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Cyclopropyl fentanyl		N-(1-phenethylpiperidin-4-yl)-N-phenylcyclopropanecarboxamide		InChI=1S/C23H28N2O/c26-23(20-11-12-20)25(21-9-5-2-6-10-21)22-14-17-24(18-15-22)16-13-19-7-3-1-4-8-19/h1-10,20,22H,11-18H2	C23H28N2O	6/27/2017
meta-Fluoroisobutyryl fentanyl	3-fluoroisobutyryl fentanyl; N-(3-fluorophenyl)-N-(1-phenethylpiperidin-4-yl)isobutyramide	N-(3-fluorophenyl)-2-methyl-N-[1-(2-phenylethyl)piperidin-4-yl]propanamide		InChI=1S/C23H29FN2O/c1-18(2)23(27)26(22-10-6-9-20(24)17-22)21-12-15-25(16-13-21)14-11-19-7-4-3-5-8-19/h3-10,17-18,21H,11-16H2,1-2H3	C23H29FN2O	2/20/2019
ortho-Fluorobutyryl fentanyl	ortho-FBF; 2-fluorobutyryl fentanyl	N-(2-fluorophenyl)-N-(1-phenethylpiperidin-4-yl)butyramide		InChI=1S/C23H29FN2O/c1-2-8-23(27)26(22-12-7-6-11-21(22)24)20-14-17-25(18-15-20)16-13-19-9-4-3-5-10-19/h3-7,9-12,20H,2,8,13-18H2,1H3	C23H29FN2O	4/16/2018
ortho-Fluoroisobutyryl fentanyl	ortho-FIBF; 2-fluoroisobutyryl fentanyl	N-(2-fluorophenyl)-N-(1-phenethylpiperidin-4-yl)isobutyramide		InChI=1S/C23H29FN2O/c1-18(2)23(27)26(22-11-7-6-10-21(22)24)20-13-16-25(17-14-20)15-12-19-8-4-3-5-9-19/h3-11,18,20H,12-17H2,1-2H3	C23H29FN2O	4/16/2018
beta-Methylfentanyl		N-phenyl-N-[1-(2-phenylpropyl)piperidin-4-yl]propanamide		InChI=1S/C23H30N2O/c1-3-23(26)25(21-12-8-5-9-13-21)22-14-16-24(17-15-22)18-19(2)20-10-6-4-7-11-20/h4-13,19,22H,3,14-18H2,1-2H3	C23H30N2O	8/22/2018

2017-2021 NFLIS-Drug Substance List

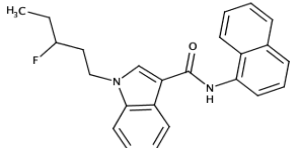
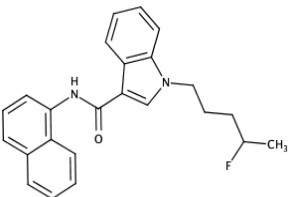
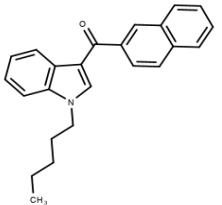
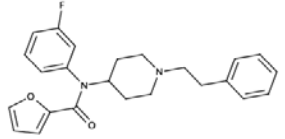
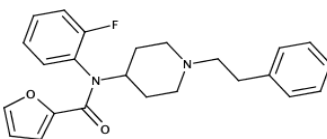
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
para-Methylfentanyl	4-methylfentanyl	N-(4-methylphenyl)-N-[1-(2-phenylethyl)piperidin-4-yl]propanamide		InChI=1S/C23H30N2O/c1-3-23(26)25(21-11-9-19(2)10-12-21)22-14-17-24(18-15-22)16-13-20-7-5-4-6-8-20/h4-12,22H,3,13-18H2,1-2H3	C23H30N2O	1/22/2018
Isobutyryl fentanyl		N-(1-phenethylpiperidin-4-yl)-N-phenylisobutyramide		InChI=1S/C23H30N2O/c1-19(2)23(26)25(21-11-7-4-8-12-21)22-14-17-24(18-15-22)16-13-20-9-5-3-6-10-20/h3-12,19,22H,13-18H2,1-2H3	C23H30N2O	4/7/2017
Mitraciliatine		methyl(16Z)-9-methoxy-16-(methoxymethylene)corynan-17-oate		InChI=1S/C23H30N2O4/c1-5-14-12-25-10-9-15-21-18(7-6-8-20(21)28-3)24-22(15)19(25)11-16(14)17(13-27-2)23(26)29-4/h6-8,13-14,16,19,24H,5,9-12H2,1-4H3/b17-13+/t14-,16-,19+/m0/s1	C23H30N2O4	4/12/2018
Protonitazene	pronitazene	N,N-diethyl-2-[5-nitro-2-[(4-propoxyphenyl)methyl]benzimidazol-1-yl]ethanamine		InChI=1S/C23H30N4O3/c1-4-15-30-20-10-7-18(8-11-20)16-23-24-21-17-19(27(28)29)9-12-22(21)26(23)14-13-25(5-2)6-3/h7-12,17H,4-6,13-16H2,1-3H3	C23H30N4O3	6/8/2021
Isotonitazene		N,N-diethyl-2-[2-[(4-isopropoxyphenyl)methyl]-5-nitro-benzimidazol-1-yl]ethanamine		InChI=1S/C23H30N4O3/c1-5-25(6-2)13-14-26-22-12-9-19(27(28)29)16-21(22)24-23(26)15-18-7-10-20(11-8-18)30-17(3)4/h7-12,16-17H,5-6,13-15H2,1-4H3	C23H30N4O3	1/22/2020

2017-2021

NFLIS-Drug Substance List

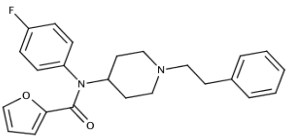
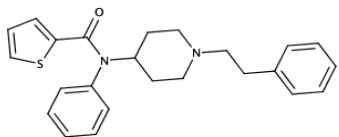
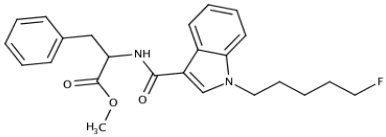
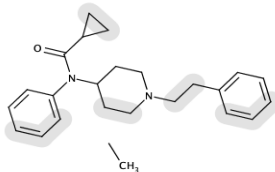
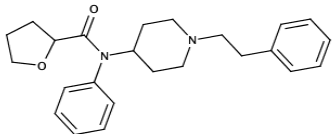
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
3F-NNEI	3-fluoro-NNEI; 3F-MN-24	1-(3-fluoropentyl)-N-(naphthalen-1-yl)-1H-indole-3-carboxamide		InChI=1S/C24H23FN2O/c1-2-18(25)14-15-27-16-21(20-11-5-6-13-23(20)27)24(28)26-22-12-7-9-17-8-3-4-10-19(17)22/h3-13,16,18H,2,14-15H2,1H3,(H,26,28)	C24H23FN2O	10/31/2017
4F-NNEI	4-fluoro-NNEI; 4F-MN-24	1-(4-fluoropentyl)-N-(naphthalen-1-yl)-1H-indole-3-carboxamide		InChI=1S/C24H23FN2O/c1-17(25)8-7-15-27-16-21(20-12-4-5-14-23(20)27)24(28)26-22-13-6-10-18-9-2-3-11-19(18)22/h2-6,9-14,16-17H,7-8,15H2,1H3,(H,26,28)	C24H23FN2O	2/16/2017
JWH-018 2'-naphthyl isomer		1-pentyl-3-(2-naphthoyl)indole		InChI=1S/C24H23NO/c1-2-3-8-15-25-17-22(21-11-6-7-12-23(21)25)24(26)20-14-13-18-9-4-5-10-19(18)16-20/h4-7,9-14,16-17H,2-3,8,15H2,1H3	C24H23NO	12/6/2017
meta-Fluorofuranyl fentanyl	3-fluorofuranyl fentanyl	N-(3-fluorophenyl)-N-(1-phenethylpiperidin-4-yl)furan-2-carboxamide		InChI=1S/C24H25FN2O2/c25-20-8-4-9-22(18-20)27(24(28)23-10-5-17-29-23)21-12-15-26(16-13-21)14-11-19-6-2-1-3-7-19/h1-10,17-18,21H,11-16H2	C24H25FN2O2	1/22/2021
ortho-Fluorofuranyl fentanyl	2-fluorofuranyl fentanyl	N-(2-fluorophenyl)-N-(1-phenethylpiperidin-4-yl)furan-2-carboxamide		InChI=1S/C24H25FN2O2/c25-21-9-4-5-10-22(21)27(24(28)23-11-6-18-29-23)20-13-16-26(17-14-20)15-12-19-7-2-1-3-8-19/h1-11,18,20H,12-17H2	C24H25FN2O2	1/9/2020

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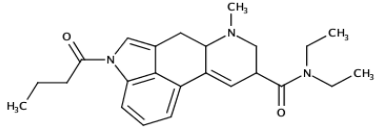
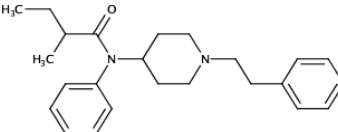
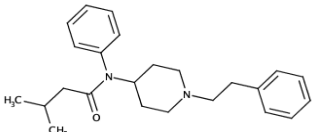
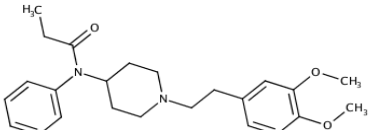
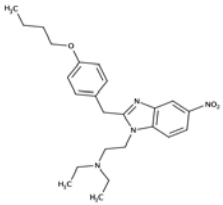
NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
para-Fluorofuranyl fentanyl	4-fluorofuranyl fentanyl	N-(4-fluorophenyl)-N-(1-phenethylpiperidin-4-yl)furan-2-carboxamide		InChI=1S/C24H25FN2O2/c25-20-8-10-21(11-9-20)27(24(28)23-7-4-18-29-23)22-13-16-26(17-14-22)15-12-19-5-2-1-3-6-19/h1-11,18,22H,12-17H2	C24H25FN2O2	2/15/2019
Thiofuranyl fentanyl	thiophene fentanyl; 2-thiofuranyl fentanyl; 2-thiophenoyl fentanyl	N-(1-phenethylpiperidin-4-yl)-N-phenylthiophene-2-carboxamide		InChI=1S/C24H26N2OS/c27-24(23-12-7-19-28-23)26(21-10-5-2-6-11-21)22-14-17-25(18-15-22)16-13-20-8-3-1-4-9-20/h1-12,19,22H,13-18H2	C24H26N2OS	1/29/2018
5F-MPP-PICA	5F-MPP-PICA; MPHP-2201; 5-fluoro-MPP-PICA	methyl (1-(5-fluoropentyl)-1H-indole-3-carbonyl)phenylalaninate		InChI=1S/C24H27FN2O3/c1-30-24(29)21(16-18-10-4-2-5-11-18)26-23(28)20-17-27(15-9-3-8-14-25)22-13-7-6-12-19(20)22/h2,4-7,10-13,17,21H,3,8-9,14-16H2,1H3,(H,26,28)	C24H27FN2O3	3/12/2019
Methyl cyclopropyl fentanyl	methyl 3-methyl-2-({1-(pent-4-en-1-yl)-1H-indazole-3-carboxamido})butanoate	methyl 3-methyl-2-({1-(pent-4-en-1-yl)-1H-indazol-3-yl}formamido)butanoate			C24H30N2O	12/5/2018
Tetrahydrofuranyl fentanyl	tetrahydrofuran fentanyl; THF-fentanyl	N-(1-phenethylpiperidin-4-yl)-N-phenyltetrahydrofuran-2-carboxamide		InChI=1S/C24H30N2O2/c27-24(23-12-7-19-28-23)26(21-10-5-2-6-11-21)22-14-17-25(18-15-22)16-13-20-8-3-1-4-9-20/h1-6,8-11,22-23H,7,12-19H2	C24H30N2O2	3/2/2017

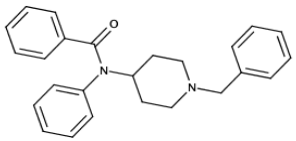
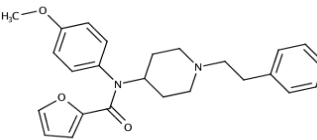
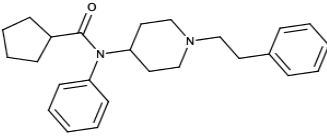
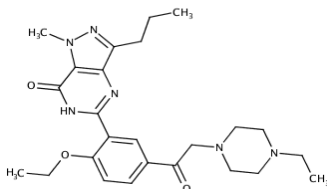
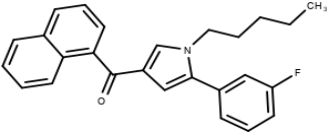
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
1B-LSD	1-butanoyl-d-lysergic acid diethylamide	4-butyryl-N,N-diethyl-7-methyl-4,6,6a,7,8,9-hexahydroindolo[4,3-fg]quinoline-9-carboxamide		InChI=1S/C24H31N3O2/c1-5-9-22(28)27-15-16-13-21-19(18-10-8-11-20(27)23(16)18)12-17(14-25(21)4)24(29)26(6-2)7-3/h8,10-12,15,17,21H,5-7,9,13-14H2,1-4H3	C24H31N3O2	2/17/2020
alpha'-Methyl butyryl fentanyl	2-methyl butyryl fentanyl	2-methyl-N-(1-phenethylpiperidin-4-yl)-N-phenylbutanamide		InChI=1S/C24H32N2O/c1-3-20(2)24(27)26(22-12-8-5-9-13-22)23-15-18-25(19-16-23)17-14-21-10-6-4-7-11-21/h4-13,20,23H,3,14-19H2,1-2H3	C24H32N2O	2/7/2020
Isovaleryl fentanyl	beta'-methyl butyryl fentanyl	3-methyl-N-(1-phenethylpiperidin-4-yl)-N-phenylbutanamide		InChI=1S/C24H32N2O/c1-20(2)19-24(27)26(22-11-7-4-8-12-22)23-14-17-25(18-15-23)16-13-21-9-5-3-6-10-21/h3-12,20,23H,13-19H2,1-2H3	C24H32N2O	8/26/2019
3',4'-Dimethoxy fentanyl		N-(1-(3,4-dimethoxyphenethyl)piperidin-4-yl)-N-phenylpropionamide		InChI=1S/C24H32N2O3/c1-4-24(27)26(20-8-6-5-7-9-20)21-13-16-25(17-14-21)15-12-19-10-11-22(28-2)23(18-19)29-3/h5-11,18,21H,4,12-17H2,1-3H3	C24H32N2O3	12/16/2019
Butonitazene	butoxynitazene	2-[2-[(4-butoxyphenyl)methyl]-5-nitro-benzimidazol-1-yl]-N,N-diethyl-ethanamine		InChI=1S/C24H32N4O3/c1-4-7-16-31-21-11-8-19(9-12-21)17-24-25-22-18-20(28(29)30)10-13-23(22)27(24)15-14-26(5-2)6-3/h8-13,18H,4-7,14-17H2,1-3H3	C24H32N4O3	9/10/2021

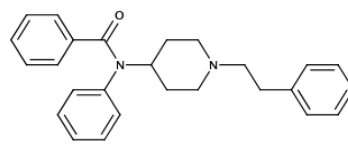
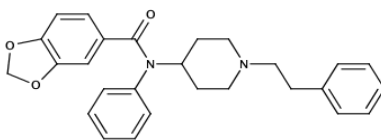
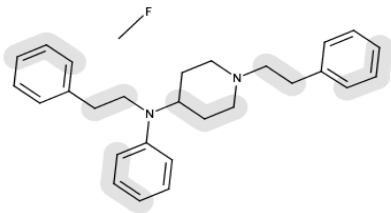
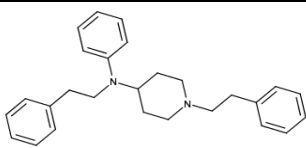
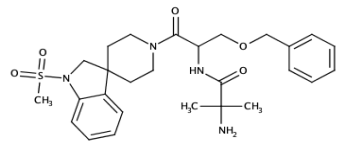
2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Benzoylbenzyl fentanyl		N-(1-benzylpiperidin-4-yl)-N-phenylbenzamide		InChI=1S/C25H26N2O/c28-25(22-12-6-2-7-13-22)27(23-14-8-3-9-15-23)24-16-18-26(19-17-24)20-21-10-4-1-5-11-21/h1-15,24H,16-20H2	C25H26N2O	1/29/2018
para-Methoxy furanyl fentanyl	4-methoxy furanyl fentanyl; p-methoxy furanyl fentanyl	N-(4-methoxyphenyl)-N-(1-phenethylpiperidin-4-yl)furan-2-carboxamide		InChI=1S/C25H28N2O3/c1-29-23-11-9-21(10-12-23)27(25(28)24-8-5-19-30-24)22-14-17-26(18-15-22)16-13-20-6-3-2-4-7-20/h2-12,19,22H,13-18H2,1H3	C25H28N2O3	11/27/2019
Cyclopentyl fentanyl		N-(1-phenethylpiperidin-4-yl)-N-phenylcyclopentanecarboxamide		InChI=1S/C25H32N2O/c28-25(22-11-7-8-12-22)27(23-13-5-2-6-14-23)24-16-19-26(20-17-24)18-15-21-9-3-1-4-10-21/h1-6,9-10,13-14,22,24H,7-8,11-12,15-20H2	C25H32N2O	10/24/2017
Acetildenafil	hongdenafil	5-[2-ethoxy-5-[2-(4-ethyl-1-piperazinyl)acetyl]phenyl]-1,6-dihydro-1-methyl-3-propyl-7H-pyrazolo[4,3-d]pyrimidin-7-one		InChI=1S/C25H34N6O3/c1-5-8-19-22-23(29(4)28-19)25(33)27-24(26-22)18-15-17(9-10-21(18)34-7-3)20(32)16-31-13-11-30(6-2)12-14-31/h9-10,15H,5-8,11-14,16H2,1-4H3,(H,26,27,33)	C25H34N6O3	7/2/2019
JWH-368		[5-(3-fluorophenyl)-1-pentyl-1H-pyrrol-3-yl]-(naphthalen-1-yl)methanone		InChI=1S/C26H24FNO/c1-2-3-6-15-28-18-21(17-25(28)20-11-7-12-22(27)16-20)26(29)24-14-8-10-19-9-4-5-13-23(19)24/h4-5,7-14,16-18H,2-3,6,15H2,1H3	C26H24FNO	8/10/2017

2017-2021 NFLIS-Drug Substance List

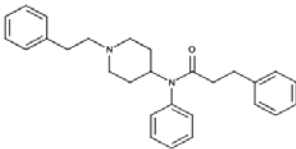
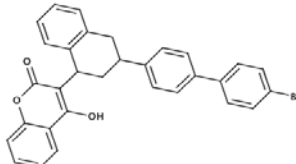
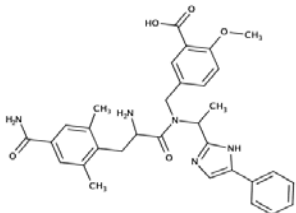
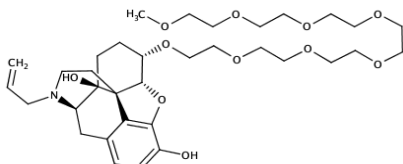
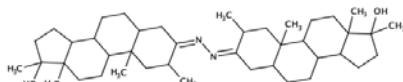
(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Phenyl fentanyl	benzoyl fentanyl	N-(1-phenethylpiperidin-4-yl)-N-phenylbenzamide		InChI=1S/C26H28N2O/c29-26(23-12-6-2-7-13-23)28(24-14-8-3-9-15-24)25-17-20-27(21-18-25)19-16-22-10-4-1-5-11-22/h1-15,25H,16-21H2	C26H28N2O	9/25/2017
Benzodioxole fentanyl		N-(1-phenethylpiperidin-4-yl)-N-phenylbenzo[d][1,3]dioxole-5-carboxamide		InChI=1S/C27H28N2O3/c30-27(22-11-12-25-26(19-22)32-20-31-25)29(23-9-5-2-6-10-23)24-14-17-28(18-15-24)16-13-21-7-3-1-4-8-21/h1-12,19,24H,13-18,20H2	C27H28N2O3	9/7/2017
fluoro-Phenethyl 4-ANPP					C27H31FN2	3/16/2021
Phenethyl 4-ANPP	N,1-diphenethyl-N-phenylpiperidin-4-amine	N-phenyl-N,1-bis(2-phenylethyl)piperidin-4-amine		InChI=1S/C27H32N2/c1-4-10-24(11-5-1)16-20-28-21-18-27(19-22-28)29(26-14-8-3-9-15-26)23-17-25-12-6-2-7-13-25/h1-15,27H,16-23H2	C27H32N2	3/3/2020
lbutamoren		2-amino-N-[3-(benzyloxy)-1-{1-methanesulfonyl-1,2-dihydrospiro[indole-3,4'-piperidin]-1'-yl}-1-oxopropan-2-yl]-2-methylpropanamide		InChI=1S/C27H36N4O5S/c1-26(2,28)25(33)29-22(18-36-17-20-9-5-4-6-10-20)24(32)30-15-13-27(14-16-30)19-31(37(3,34)35)23-12-8-7-11-21(23)27/h4-12,22H,13-19,28H2,1-3H3,(H,29,33)	C27H36N4O5S	9/7/2017

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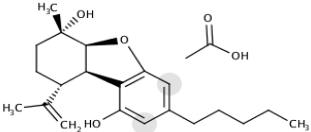
NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
beta'-Phenyl fentanyl	3-phenylpropanoyl fentanyl	N-(1-phenethylpiperidin-4-yl)-N, 3-diphenylpropanamide		InChI=1S/C28H32N2O/c31-28(17-16-24-10-4-1-5-11-24)30(26-14-8-3-9-15-26)27-19-22-29(23-20-27)21-18-25-12-6-2-7-13-25/h1-15,27H,16-23H2	C28H32N2O	2/21/2021
Brodifacoum	bromfenacoum	3-[3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthalenyl]-4-hydroxy-2H-chromen-2-one		InChI=1S/C31H23BrO3/c32-24-15-13-20(14-16-24)19-9-11-21(12-10-19)23-17-22-5-1-2-6-25(22)27(18-23)29-30(33)26-7-3-4-8-28(26)35-31(29)34/h1-16,23,27,33H,17-18H2	C31H23BrO3	2/15/2017
Eluxadoline	viberzi	5-[[2-amino-3-(4-carbamoyl-2,6-dimethylphenyl)-N-[1-(5-phenyl-1H-imidazol-2-yl)ethyl]propanamido]methyl]-2-methoxybenzoic acid		InChI=1S/C32H35N5O5/c1-18-12-23(29(34)38)13-19(24(18)15-26(33)31(39)37(17-21-10-11-28(42-4)25(14-21)32(40)41)20(3)30-35-16-27(36-30)22-8-6-5-7-9-22/h5-14,16,20,26H,15,17,33H2,1-4H3,(H2,34,38)(H,35,36)(H,40,41)	C32H35N5O5	9/12/2017
Naloxegol	NKTR-118	(5,6)-4,5-epoxy-6-(3,6,9,12,15,18,21-heptaaxadocos-1-yloxy)-17-(2-propen-1-yl)morphinan-3,14-diol		InChI=1S/C34H53NO11/c1-3-9-35-10-8-33-30-26-4-5-27(36)31(30)46-32(33)28(6-7-34(33,37)29(35)25-26)45-24-23-44-22-21-43-20-19-42-18-17-41-16-15-40-14-13-39-12-11-38-2/h3-5,28-29,32,36-37H,1,6-25H2,2H3/t28-,29+,32-,33-,34+/m0/s1	C34H53NO11	10/15/2018
Mebolazine	dimethazine; roxilon	[(2alpha,5alpha,17beta)-17beta-hydroxy-2alpha,17-dimethylandrostan-3-ylidene]hydrazone, 17beta-hydroxy-2alpha,17-dimethyl-androstan-3-one		InChI=1S/C42H68N2O2/c1-25-23-37(3)27(9-11-29-31(37)13-17-39(5)33(29)15-19-41(39,7)45)21-35(25)43-44-36-22-28-10-12-30-32(38(28,4)24-26(36)2)14-18-40(6)34(30)16-20-42(40,8)46/h25-34,45-46H,9-24H2,1-8H3/b43-35-,44-36-/t25-,26-,27+,28+,29-,30-,31+,32+,3	C42H68N2O2	2/21/2021

2017-2021 NFLIS-Drug Substance List

(Sorted by Formula)

NFLIS Substance Name	Synonyms	Chemical Name	Structure	InChI	Formula	Date Added to NFLIS-Drug
Cannabielsoic acid						6/12/2019