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AMENDMENT 7
2021-12

**Pesticides and other agrochemicals —
Common names**

AMENDMENT 7

Produits phytosanitaires et assimilés — Noms communs
AMENDEMENT 7

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This document was prepared by Technical Committee ISO/TC 81, *Common names for pesticides and other agrochemicals*.

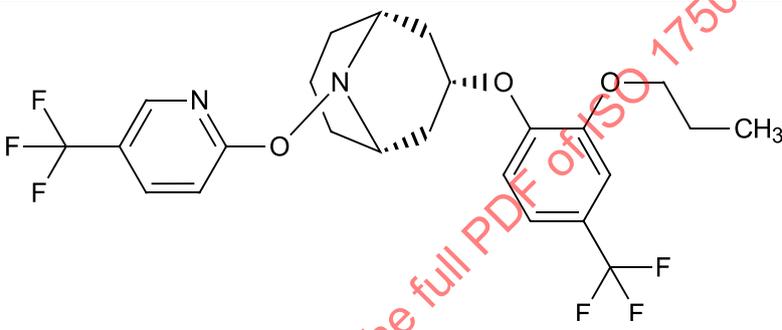
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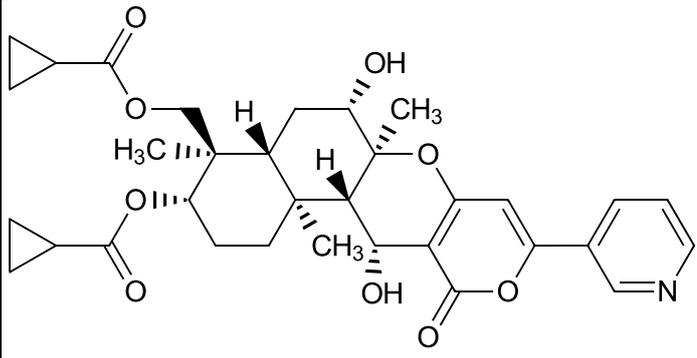
Clause 4, Approved common names

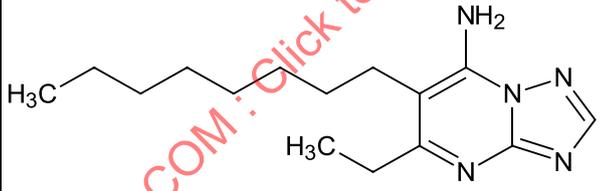
Add these new common names approved since Amd.5.

The common names in this section are those that have been approved since Amendment 5 to ISO 1750:1981.

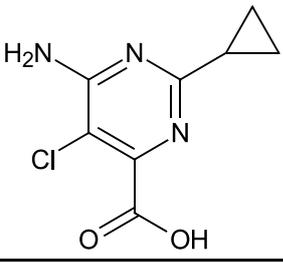
Common name	acynonapyr
IUPAC PIN	(1 <i>R</i> ,3 <i>r</i> ,5 <i>S</i>)-3-[2-propoxy-4-(trifluoromethyl)phenoxy]-9-[[5-(trifluoromethyl)pyridin-2-yl]oxy]-9-azabicyclo[3.3.1]nonane
IUPAC name	9-[[5-(trifluoromethyl)-2-pyridyl]oxy]-3- <i>endo</i> -[[α,α,α -trifluoro-2-propoxy- <i>p</i> -tolyl]oxy]-9-azabicyclo[3.3.1]nonane
CAS name	(3- <i>endo</i>)-3-[2-propoxy-4-(trifluoromethyl)phenoxy]-9-[[5-(trifluoromethyl)-2-pyridinyl]oxy]-9-azabicyclo[3.3.1]nonane
Structure	
CAS Reg. No.	1332838-17-1
Formula	C ₂₄ H ₂₆ F ₆ N ₂ O ₃
Use	acaricide
InChIKey	GIDAJLLAARKRMS-BWTSREIZSA-N
InChI	InChI=1S/C24H26F6N2O3/c1-2-10-33-21-11-15(23(25,26)27)6-8-20(21)34-19-12-17-4-3-5-18(13-19)32(17)35-22-9-7-16(14-31-22)24(28,29)30/h6-9,11,14,17-19H,2-5,10,12-13H2,1H3/t17-,18+,19+

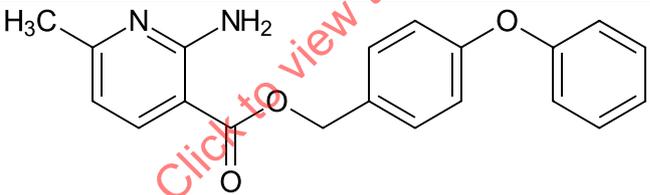
Common name	afidopyropen
IUPAC PIN	{{(3 <i>S</i> ,4 <i>R</i> ,4 <i>aR</i> ,6 <i>S</i> ,6 <i>aS</i> ,12 <i>R</i> ,12 <i>aS</i> ,12 <i>bS</i>)-3-[(cyclopropanecarbonyl)oxy]-6,12-dihydroxy-4,6 <i>a</i> ,12 <i>b</i> -trimethyl-11-oxo-9-(pyridin-3-yl)-1,3,4,4 <i>a</i> ,5,6,6 <i>a</i> ,12,12 <i>a</i> ,12 <i>b</i> -decahydro-2 <i>H</i> ,11 <i>H</i> -benzo[<i>f</i>]pyrano[4,3- <i>b</i>][1]benzopyran-4-yl}methyl cyclopropanecarboxylate
IUPAC name	{{(3 <i>S</i> ,4 <i>R</i> ,4 <i>aR</i> ,6 <i>S</i> ,6 <i>aS</i> ,12 <i>R</i> ,12 <i>aS</i> ,12 <i>bS</i>)-3-[(cyclopropylcarbonyl)oxy]-1,3,4,4 <i>a</i> ,5,6,6 <i>a</i> ,12,12 <i>a</i> ,12 <i>b</i> -decahydro-6,12-dihydroxy-4,6 <i>a</i> ,12 <i>b</i> -trimethyl-11-oxo-9-(3-pyridyl)-2 <i>H</i> ,11 <i>H</i> -benzo[<i>f</i>]pyrano[4,3- <i>b</i>]chromen-4-yl}methyl cyclopropanecarboxylate
CAS name	[(3 <i>S</i> ,4 <i>R</i> ,4 <i>aR</i> ,6 <i>S</i> ,6 <i>aS</i> ,12 <i>R</i> ,12 <i>aS</i> ,12 <i>bS</i>)-3-[(cyclopropylcarbonyl)oxy]-1,3,4,4 <i>a</i> ,5,6,6 <i>a</i> ,12,12 <i>a</i> ,12 <i>b</i> -decahydro-6,12-dihydroxy-4,6 <i>a</i> ,12 <i>b</i> -trimethyl-11-oxo-9-(3-pyridinyl)-2 <i>H</i> ,11 <i>H</i> -naphtho[2,1- <i>b</i>]pyrano[3,4- <i>e</i>]pyran-4-yl}methyl cyclopropanecarboxylate

Common name	afidopyropen
Structure	
CAS Reg. No.	915972-17-7
Formula	C ₃₃ H ₃₉ NO ₉
Use	insecticide
InChIKey	LRZWFURXIMFONG-HRSIRGMGSA-N
InChI	InChI=1S/C33H39NO9/c1-31-11-10-24(42-29(38)18-8-9-18)32(2,16-40-28(37)17-6-7-17)22(31)14-23(35)33(3)27(31)26(36)25-21(43-33)13-20(41-30(25)39)19-5-4-12-34-15-19/h4-5,12-13,15,17-18,22-24,26-27,35-36H,6-11,14,16H2,1-3H3/t22-,23+,24+,26+,27-,31+,32+,33-/m1/s1

Common name	ametotradin
IUPAC PIN	5-ethyl-6-octyl[1,2,4]triazolo[1,5- <i>a</i>]pyrimidin-7-amine
IUPAC name	5-ethyl-6-octyl[1,2,4]triazolo[1,5- <i>a</i>]pyrimidin-7-amine
CAS name	5-ethyl-6-octyl[1,2,4]triazolo[1,5- <i>a</i>]pyrimidin-7-amine
Structure	
CAS Reg. No.	865318-97-4
Formula	C ₁₅ H ₂₅ N ₅
Use	fungicide
InChIKey	GGKQIOFASHYUJZ-UHFFFAOYSA-N
InChI	InChI=1S/C15H25N5/c1-3-5-6-7-8-9-10-12-13(4-2)19-15-17-11-18-20(15)14(12)16/h11H,3-10,16H2,1-2H3

Common name	aminocyclopyrachlor
IUPAC PIN	6-amino-5-chloro-2-cyclopropylpyrimidine-4-carboxylic acid
IUPAC name	6-amino-5-chloro-2-cyclopropylpyrimidine-4-carboxylic acid
CAS name	6-amino-5-chloro-2-cyclopropyl-4-pyrimidinecarboxylic acid

Common name	aminocyclopyrachlor
Structure	
CAS Reg. No.	858956-08-8
Formula	C ₈ H ₈ ClN ₃ O ₂
Use	herbicide
InChIKey	KWAIHLIXESXTJL-UHFFFAOYSA-N
InChI	InChI=1S/C8H8ClN3O2/c9-4-5(8(13)14)11-7(3-1-2-3)12-6(4)10/h3H,1-2H2,(H,13,14)(H2,10,11,12)
Notes	It should be stated which ester or salt is present, for example aminocyclopyrachlor-methyl [858954-83-3] or aminocyclopyrachlor-potassium [858956-35-1].

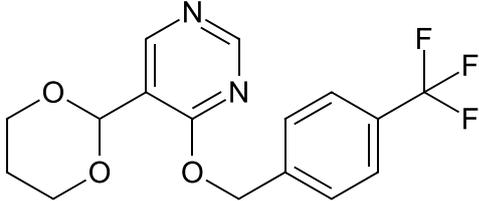
Common name	aminopyrifen
IUPAC PIN	(4-phenoxyphenyl)methyl 2-amino-6-methylpyridine-3-carboxylate
IUPAC name	4-phenoxybenzyl 2-amino-6-methylnicotinate
CAS name	(4-phenoxyphenyl)methyl 2-amino-6-methyl-3-pyridinecarboxylate
Structure	
CAS Reg. No.	1531626-08-0
Formula	C ₂₀ H ₁₈ N ₂ O ₃
Use	fungicide
InChIKey	PWWPULQZEAPTTB-UHFFFAOYSA-N
InChI	InChI=1S/C20H18N2O3/c1-14-7-12-18(19(21)22-14)20(23)24-13-15-8-10-17(11-9-15)25-16-5-3-2-4-6-16/h2-12H,13H2,1H3,(H2,21,22)

Common name	beflubutamid-M
IUPAC PIN	(2 <i>S</i>)- <i>N</i> -benzyl-2-[4-fluoro-3-(trifluoromethyl)phenoxy]butanamide
IUPAC name	(<i>S</i>)- <i>N</i> -benzyl-2-[(α,α,α ,4-tetrafluoro- <i>m</i> -tolyl)oxy]butyramide
CAS name	(2 <i>S</i>)-2-[4-fluoro-3-(trifluoromethyl)phenoxy]- <i>N</i> -(phenylmethyl)butanamide

Common name	beflubutamid-M
Structure	
CAS Reg. No.	113614-09-8
Formula	C ₁₈ H ₁₇ F ₄ NO ₂
Use	herbicide
InChIKey	FFQPZWRNXXKPNPX-INIZCTEOSA-N
InChI	InChI=1S/C18H17F4NO2/c1-2-16(17(24)23-11-12-6-4-3-5-7-12)25-13-8-9-15(19)14(10-13)18(20,21)22/h3-10,16H,2,11H2,1H3,(H,23,24)/t16-/m0/s1
Notes	The unresolved enantiomeric mixture has the common name beflubutamid [113614-08-7].

Common name	benzovindiflupyr
IUPAC PIN	<i>rac-N-[(1R,4S)-9-(dichloromethylidene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide</i>
IUPAC name	<i>N-[(1RS,4SR)-9-(dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide</i>
CAS name	<i>N-[9-(dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide</i>
Structure	
CAS Reg. No.	1072957-71-1
Formula	C ₁₈ H ₁₅ Cl ₂ F ₂ N ₃ O

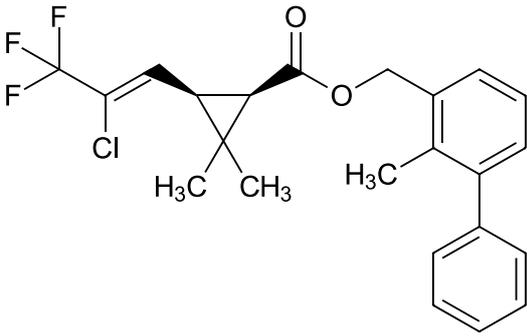
Common name	benzovindiflupyr
Use	fungicide
InChIKey	CCCGEKHKTPTUHJ-UHFFFAOYSA-N
InChI	InChI=1S/C18H15Cl2F2N3O/c1-25-7-11(15(24-25)17(21)22)18(26)23-12-4-2-3-8-9-5-6-10(13(8)12)14(9)16(19)20/h2-4,7,9-10,17H,5-6H2,1H3,(H,23,26)

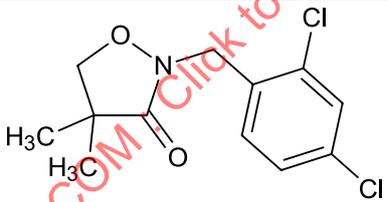
Common name	benzpyrimoxan
IUPAC PIN	5-(1,3-dioxan-2-yl)-4-[[4-(trifluoromethyl)phenyl]methoxy]pyrimidine
IUPAC name	5-(1,3-dioxan-2-yl)pyrimidin-4-yl 4-(trifluoromethyl)benzyl ether
CAS name	5-(1,3-dioxan-2-yl)-4-[[4-(trifluoromethyl)phenyl]methoxy]pyrimidine
Structure	
CAS Reg. No.	1449021-97-9
Formula	C ₁₆ H ₁₅ F ₃ N ₂ O ₃
Use	insecticide
InChIKey	ZYXYTGQFPZEUFX-UHFFFAOYSA-N
InChI	InChI=1S/C16H15F3N2O3/c17-16(18,19)12-4-2-11(3-5-12)9-24-14-13(8-20-10-21-14)15-22-6-1-7-23-15/h2-5,8,10,15H,1,6-7,9H2

Common name	bicycloprone
IUPAC PIN	<i>rac</i> -(1 <i>R</i> ,5 <i>R</i>)-4-hydroxy-3-{2-[(2-methoxyethoxy)methyl]-6-(trifluoromethyl)(pyridine-3-carbonyl)}bicyclo[3.2.1]oct-3-en-2-one
IUPAC name	(1 <i>RS</i> ,5 <i>SR</i>)-4-hydroxy-3-({2-[(2-methoxyethoxy)methyl]-6-(trifluoromethyl)-3-pyridyl}carbonyl)bicyclo[3.2.1]oct-3-en-2-one
CAS name	4-hydroxy-3-[[2-[(2-methoxyethoxy)methyl]-6-(trifluoromethyl)-3-pyridinyl]carbonyl]bicyclo[3.2.1]oct-3-en-2-one

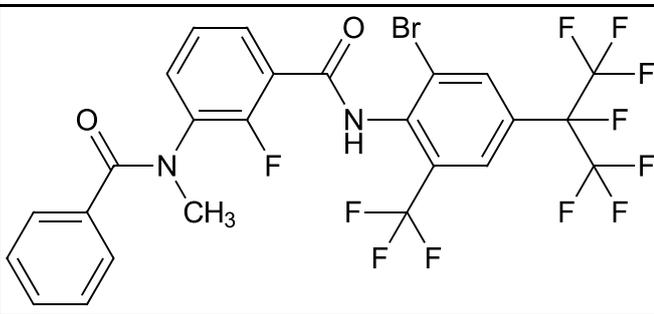
Common name	bicyclopyrone
Structure	
CAS Reg. No.	352010-68-5
Formula	C ₁₉ H ₂₀ F ₃ NO ₅
Use	herbicide
InChIKey	HUYBEDCQLAEVPD-UHFFFAOYSA-N
InChI	InChI=1S/C19H20F3NO5/c1-27-6-7-28-9-13-12(4-5-14(23-13)19(20,21)22)18(26)15-16(24)10-2-3-11(8-10)17(15)25/h4-5,10-11,24H,2-3,6-9H2,1H3

Common name	kappa-bifenthrin
IUPAC PIN	(2-methyl[1,1'-biphenyl]-3-yl)methyl (1 <i>R</i> ,3 <i>R</i>)-3-[(1 <i>Z</i>)-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropane-1-carboxylate
IUPAC name	(2-methylbiphenyl-3-yl)methyl (1 <i>R</i> ,3 <i>R</i>)-3-[(<i>Z</i>)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate Rothamsted-style stereodescriptors: (2-methylbiphenyl-3-yl)methyl (1 <i>R</i>)- <i>cis</i> -3-[(<i>Z</i>)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate
CAS name	(2-methyl[1,1'-biphenyl]-3-yl)methyl (1 <i>R</i> ,3 <i>R</i>)-3-[(1 <i>Z</i>)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethylcyclopropanecarboxylate

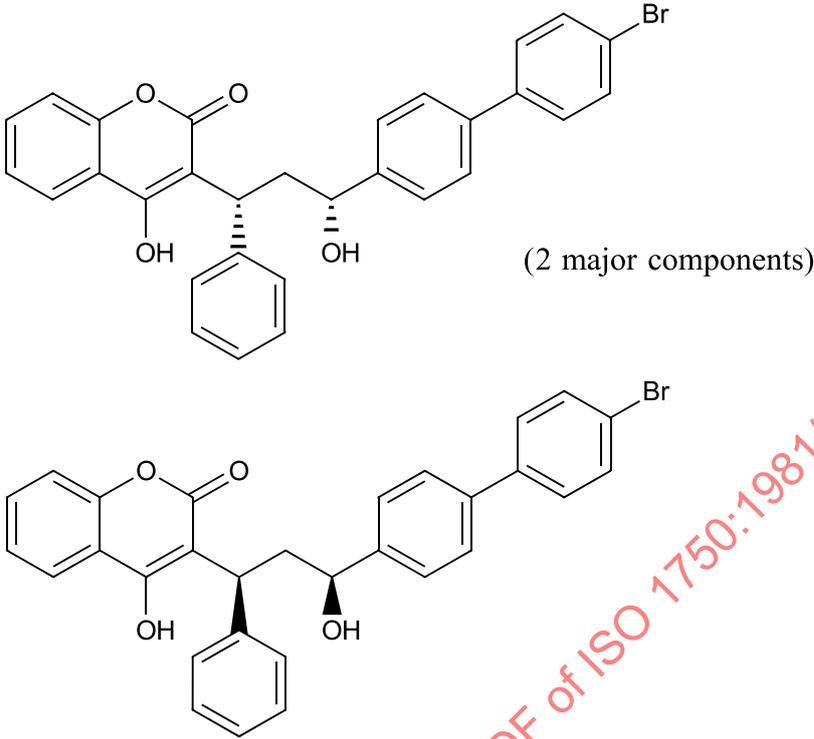
Common name	kappa-bifenthrin
Structure	
CAS Reg. No.	439680-76-9
Formula	C ₂₃ H ₂₂ ClF ₃ O ₂
Use	insecticide
InChIKey	OMFRMAHOOUJSGP-IRHGGOMRSA-N
InChI	InChI=1S/C23H22ClF3O2/c1-14-16(10-7-11-17(14)15-8-5-4-6-9-15)13-29-21(28)20-18(22(20,2)3)12-19(24)23(25,26)27/h4-12,18,20H,13H2,1-3H3/b19-12-/t18-,20-/m0/s1
Notes	This is one of the 2 isomers of bifenthrin [82657-04-3].

Common name	bixlozone
IUPAC PIN	2-[(2,4-dichlorophenyl)methyl]-4,4-dimethyl-1,2-oxazolidin-3-one
IUPAC name	2-(2,4-dichlorobenzyl)-4,4-dimethylisoxazolidin-3-one
CAS name	2-[(2,4-dichlorophenyl)methyl]-4,4-dimethyl-3-isoxazolidinone
Structure	
CAS Reg. No.	81777-95-9
Formula	C ₁₂ H ₁₃ Cl ₂ NO ₂
Use	herbicide
InChIKey	FHUKASKVKWLSLCY-UHFFFAOYSA-N
InChI	InChI=1S/C12H13Cl2NO2/c1-12(2)7-17-15(11(12)16)6-8-3-4-9(13)5-10(8)14/h3-5H,6-7H2,1-2H3

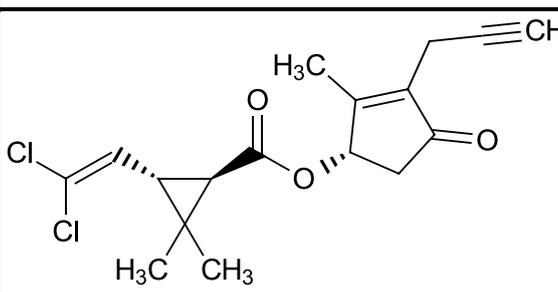
Common name	broflanilide
IUPAC PIN	N-[2-bromo-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-6-(trifluoromethyl)phenyl]-2-fluoro-3-(N-methylbenzamido)benzamide
IUPAC name	2'-bromo-2-fluoro-3-(N-methylbenzamido)-4'-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6'-(trifluoromethyl)benzanilide

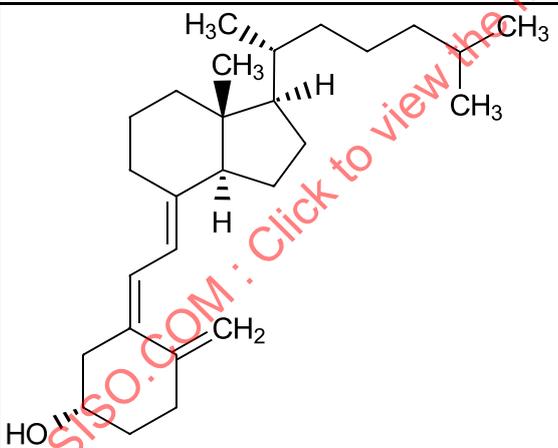
Common name	broflanilide
CAS name	3-(benzoylmethylamino)- <i>N</i> -[2-bromo-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-6-(trifluoromethyl)phenyl]-2-fluorobenzamide
Structure	
CAS Reg. No.	1207727-04-5
Formula	C ₂₅ H ₁₄ BrF ₁₁ N ₂ O ₂
Use	insecticide
InChIKey	QSLZKWPYTWWEHC-UHFFFAOYSA-N
InChI	InChI=1S/C25H14BrF11N2O2/c1-39(21(41)12-6-3-24-7-12)17-9-5-8-14(18(17)27)20(40)38-19-15(23(29,30)31)10-13(11-16(19)26)22(28,24(32,33)34)25(35,36)37/h2-11H,1H3,(H,38,40)

Common name	alpha-bromadiolone
IUPAC PIN	mixture of 80–100% <i>rac</i> -3-[(1 <i>R</i> ,3 <i>R</i>)-3-(4'-bromo[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2 <i>H</i> -1-benzopyran-2-one and 20–0% of the <i>rac</i> -(1 <i>R</i> ,3 <i>S</i>)-isomers
IUPAC name	mixture of 80–100% 3-[(1 <i>RS</i> ,3 <i>RS</i>)-3-(4'-bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxycoumarin and 20–0% of the (1 <i>RS</i> ,3 <i>SR</i>)-isomers
CAS name	3-[3-(4'-bromo[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2 <i>H</i> -1-benzopyran-2-one

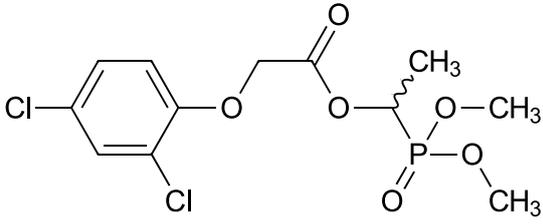
Common name	alpha-bromadiolone
Structure	 <p>(2 major components)</p>
CAS Reg. No.	28772-56-7
Formula	C ₃₀ H ₂₃ BrO ₄
Use	rodenticide
InChIKey	LQAGAOMQXARIFO-CPBLEMPESA-N (major component)
InChI	InChI=1S/2C30H23BrO4/c2*31-23-16-14-20(15-17-23)19-10-12-22(13-11-19)26(32)18-25(21-6-2-1-3-7-21)28-29(33)24-8-4-5-9-27(24)35-30(28)34/h2*1-17,25-26,32-33H,18H2/t2*25-,26-/m10/s1 (major component)
Notes	The mixture of 80–100% (1 <i>R</i> ,3 <i>S</i>)-isomers and 20–0% (1 <i>R</i> ,3 <i>R</i>)-isomers has the ISO common name bromadiolone .

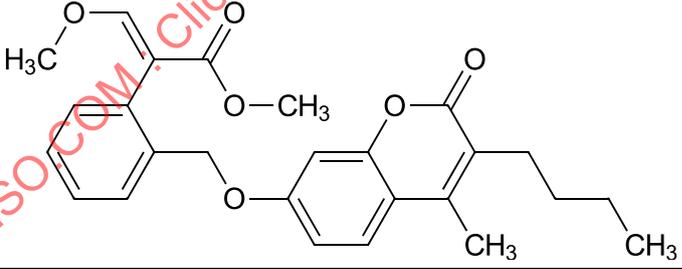
Common name	chloroprallethrin
IUPAC PIN	(1 <i>S</i>)-2-methyl-4-oxo-3-(prop-2-yn-1-yl)cyclopent-2-en-1-yl (1 <i>R</i> ,3 <i>S</i>)-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane-1-carboxylate
IUPAC name	(1 <i>S</i>)-2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-enyl (1 <i>R</i> ,3 <i>S</i>)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate Rothamsted-style stereodescriptors: (1 <i>S</i>)-2-methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-enyl (1 <i>R</i>)- <i>trans</i> -3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
CAS name	(1 <i>S</i>)-2-methyl-4-oxo-3-(2-propyn-1-yl)-2-cyclopenten-1-yl (1 <i>R</i> ,3 <i>S</i>)-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate

Common name	chloroprallethrin
Structure	
CAS Reg. No.	250346-55-5
Formula	C ₁₇ H ₁₈ Cl ₂ O ₃
Use	insecticide
InChIKey	RQNZCZHWQZMZER-ZLDLUXBVSA-N
InChI	InChI=1S/C17H18Cl2O3/c1-5-6-10-9(2)13(8-12(10)20)22-16(21)15-11(7-14(18)19)17(15,3)4/h1,7,11,13,15H,6,8H2,2-4H3/t11-,13+,15+/m1/s1

Common name	cholecalciferol
IUPAC name	(5 <i>Z</i> ,7 <i>E</i>)-(3 <i>S</i>)-9,10-secocholesta-5,7,10(19)-trien-3-ol
CAS name	(1 <i>S</i> ,3 <i>Z</i>)-3-[(2 <i>E</i>)-2-[(1 <i>R</i> ,3 <i>aS</i> ,7 <i>aR</i>)-1-[(1 <i>R</i>)-1,5-dimethylhexyl]octahydro-7 <i>a</i> -methyl-4 <i>H</i> -inden-4-ylidene]ethylidene]-4-methylenecyclohexanol
Structure	
CAS Reg. No.	67-97-0
Formula	C ₂₇ H ₄₄ O
Use	rodenticide
InChIKey	QYSXJUF SXHHAJI-YRZJJWOYSA-N
InChI	InChI=1S/C27H44O/c1-19(2)8-6-9-21(4)25-15-16-26-22(10-7-17-27(25,26)5)12-13-23-18-24(28)14-11-20(23)3/h12-13,19,21,24-26,28H,3,6-11,14-18H2,1-2,4-5H3/b22-12+,23-13-/t21-,24+,25-,26+,27-/m1/s1
Notes	In China, the name "vitamin D3" (维生素 D3) is used.

Common name	clacyfos
IUPAC PIN	<i>rac</i> -(1 <i>R</i>)-1-(dimethoxyphosphoryl)ethyl (2,4-dichlorophenoxy)acetate

Common name	clacyfos
IUPAC name	(1 <i>RS</i>)-1-(dimethoxyphosphinoyl)ethyl (2,4-dichlorophenoxy)acetate
CAS name	1-(dimethoxyphosphinyl)ethyl 2-(2,4-dichlorophenoxy)acetate
Structure	
CAS Reg. No.	215655-76-8
Formula	C ₁₂ H ₁₅ Cl ₂ O ₆ P
Use	herbicide
InChIKey	UUHXXNQVWVFJLW-UHFFFAOYSA-N
InChI	InChI=1S/C12H15Cl2O6P/c1-8(21(16,17-2)18-3)20-12(15)7-19-11-5-4-9(13)6-10(11)14/h4-6,8H,7H2,1-3H3
Notes	The parent acid has the common name 2,4-D [94-75-7].

Common name	coumoxystrobin
IUPAC PIN	methyl (2 <i>E</i>)-2-(2-[[[3-butyl-4-methyl-2-oxo-2 <i>H</i> -1-benzopyran-7-yl]oxy]methyl]phenyl)-3-methoxyprop-2-enoate
IUPAC name	methyl (2 <i>E</i>)-2-(2-[[[3-butyl-4-methyl-2-oxo-2 <i>H</i> -chromen-7-yl]oxy]methyl]phenyl)-3-methoxyacrylate
CAS name	methyl (α <i>E</i>)-2-[[[3-butyl-4-methyl-2-oxo-2 <i>H</i> -1-benzopyran-7-yl]oxy]methyl]-α-(methoxymethylene)benzeneacetate
Structure	
CAS Reg. No.	850881-70-8
Formula	C ₂₆ H ₂₈ O ₆
Use	fungicide
InChIKey	CWVRPJSBNHNJSI-XQNSMLJCSA-N
InChI	InChI=1S/C26H28O6/c1-5-6-10-21-17(2)20-13-12-19(14-24(20)32-26(21)28)31-15-18-9-7-8-11-22(18)23(16-29-3)25(27)30-4/h7-9,11-14,16H,5-6,10,15H2,1-4H3/b23-16+

Common name	cyantraniliprole
IUPAC PIN	3-bromo-1-(3-chloropyridin-2-yl)- <i>N</i> -[4-cyano-2-methyl-6-(methylcarbamoyl)phenyl]-1 <i>H</i> -pyrazole-5-carboxamide

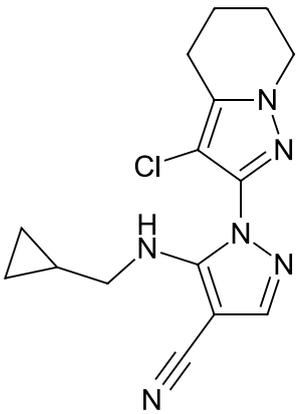
Common name	cyantranilprole
IUPAC name	3-bromo-1-(3-chloro-2-pyridyl)-4'-cyano-2'-methyl-6'-(methylcarbamoyl)-1 <i>H</i> -pyrazole-5-carboxanilide
CAS name	3-bromo-1-(3-chloro-2-pyridinyl)- <i>N</i> -[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-1 <i>H</i> -pyrazole-5-carboxamide
Structure	
CAS Reg. No.	736994-63-1
Formula	C ₁₉ H ₁₄ BrClN ₆ O ₂
Use	insecticide
InChIKey	DVBUIBGJRQBEDP-UHFFFAOYSA-N
InChI	InChI=1S/C19H14BrClN6O2/c1-10-6-11(9-22)7-12(18(28)23-2)16(10)25-19(29)14-8-15(20)26-27(14)17-13(21)4-3-5-24-17/h3-8H,1-2H3,(H,23,28)(H,25,29)

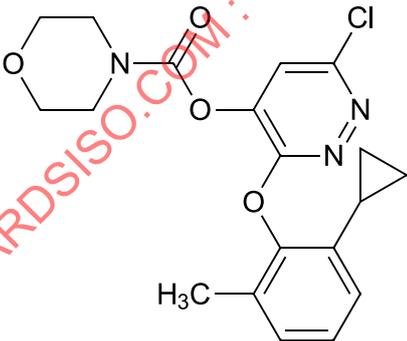
Common name	cyclanilprole
IUPAC PIN	<i>rac</i> -3-bromo- <i>N</i> -(2-bromo-4-chloro-6-[[<i>(1R)</i>]-1-cyclopropylethyl]carbamoyl]phenyl)-1-(3-chloropyridin-2-yl)-1 <i>H</i> -pyrazole-5-carboxamide
IUPAC name	2',3-dibromo-4'-chloro-1-(3-chloro-2-pyridyl)-6'-[[<i>(1R)</i>]-1-cyclopropylethyl]carbamoyl]-1 <i>H</i> -pyrazole-5-carboxanilide
CAS name	3-bromo- <i>N</i> -[2-bromo-4-chloro-6-[[<i>(1R)</i>]-1-cyclopropylethyl]amino]carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1 <i>H</i> -pyrazole-5-carboxamide
Structure	
CAS Reg. No.	1031756-98-5
Formula	C ₂₁ H ₁₇ Br ₂ Cl ₂ N ₅ O ₂
Use	insecticide

Common name	cyclaniliprole
InChIKey	RAMUASXTSSXCMB-UHFFFAOYSA-N
InChI	InChI=1S/C21H17Br2Cl2N5O2/c1-10(11-4-5-11)27-20(31)13-7-12(24)8-14(22)18(13)28-21(32)16-9-17(23)29-30(16)19-15(25)3-2-6-26-19/h2-3,6-11H,4-5H2,1H3,(H,27,31)(H,28,32)

Common name	cyclobutrifluram
IUPAC PIN	mixture of 80–100% <i>N</i> -[(1 <i>S</i> ,2 <i>S</i>)-2-(2,4-dichlorophenyl)cyclobutyl]-2-(trifluoromethyl)pyridine-3-carboxamide and 20–0% of the (1 <i>R</i> ,2 <i>R</i>)-enantiomer
IUPAC name	mixture of 80–100% <i>N</i> -[(1 <i>S</i> ,2 <i>S</i>)-2-(2,4-dichlorophenyl)cyclobutyl]-2-(trifluoromethyl)nicotinamide and 20–0% of the (1 <i>R</i> ,2 <i>R</i>)-enantiomer
CAS name	<i>rel-N</i> -[(1 <i>R</i> ,2 <i>R</i>)-2-(2,4-dichlorophenyl)cyclobutyl]-2-(trifluoromethyl)-3-pyridinecarboxamide
Structure	
CAS Reg. No.	1460292-16-3
Formula	C ₁₇ H ₁₃ Cl ₂ F ₃ N ₂ O
Use	fungicide, nematocide
InChIKey	GBFKIHJZPMECCF-FZMZJTMJSA-N (major component)
InChI	InChI=1S/C17H13Cl2F3N2O/c18-9-3-4-10(13(19)8-9)11-5-6-14(11)24-16(25)12-2-1-7-23-15(12)17(20,21)22/h1-4,7-8,11,14H,5-6H2,(H,24,25)/t11-,14-/m0/s1 (major component)

Common name	cyclopyranil
IUPAC PIN	1-(3-chloro-4,5,6,7-tetrahydropyrazolo[1,5- <i>a</i>]pyridin-2-yl)-5-[(cyclopropylmethyl)amino]-1 <i>H</i> -pyrazole-4-carbonitrile
IUPAC name	1-(3-chloro-4,5,6,7-tetrahydropyrazolo[1,5- <i>a</i>]pyridin-2-yl)-5-[(cyclopropylmethyl)amino]-1 <i>H</i> -pyrazole-4-carbonitrile
CAS name	1-(3-chloro-4,5,6,7-tetrahydropyrazolo[1,5- <i>a</i>]pyridin-2-yl)-5-[(cyclopropylmethyl)amino]-1 <i>H</i> -pyrazole-4-carbonitrile

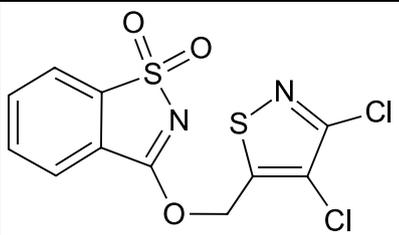
Common name	cyclopyranil
Structure	
CAS Reg. No.	1651191-47-7
Formula	C ₁₅ H ₁₇ ClN ₆
Use	herbicide
InChIKey	QNGFJGCALLNSDE-UHFFFAOYSA-N
InChI	InChI=1S/C15H17ClN6/c16-13-12-3-1-2-6-21(12)20-15(13)22-14(11(7-17)9-19-22)18-8-10-4-5-10/h9-10,18H,1-6,8H2

Common name	cyclopyrimorate
IUPAC PIN	6-chloro-3-(2-cyclopropyl-6-methylphenoxy)pyridazin-4-yl morpholine-4-carboxylate
IUPAC name	6-chloro-3-(2-cyclopropyl-6-methylphenoxy)pyridazin-4-yl morpholine-4-carboxylate
CAS name	6-chloro-3-(2-cyclopropyl-6-methylphenoxy)-4-pyridazinyl 4-morpholinecarboxylate
Structure	
CAS Reg. No.	499231-24-2
Formula	C ₁₉ H ₂₀ ClN ₃ O ₄
Use	herbicide
InChIKey	BXIGJZDQDFDASM-UHFFFAOYSA-N
InChI	InChI=1S/C19H20ClN3O4/c1-12-3-2-4-14(13-5-6-13)17(12)27-18-15(11-16(20)21-22-18)26-19(24)23-7-9-25-10-8-23/h2-4,11,13H,5-10H2,1H3

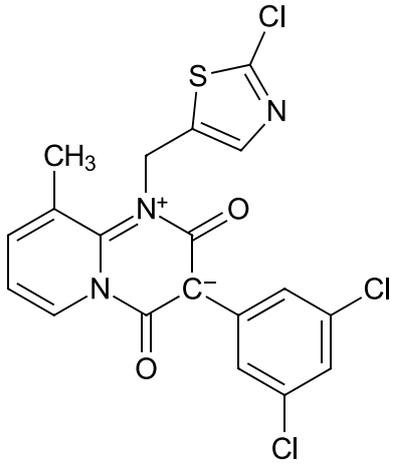
Common name	cyetpyrafen
IUPAC PIN	(1 <i>Z</i>)-2-(4- <i>tert</i> -butylphenyl)-2-cyano-1-(1-ethyl-3-methyl-1 <i>H</i> -pyrazol-5-yl)ethenyl 2,2-dimethylpropanoate
IUPAC name	(<i>Z</i>)-2-(4- <i>tert</i> -butylphenyl)-2-cyano-1-(1-ethyl-3-methyl-1 <i>H</i> -pyrazol-5-yl)vinyl 2,2-dimethylpropionate
CAS name	(1 <i>Z</i>)-2-cyano-2-[4-(1,1-dimethylethyl)phenyl]-1-(1-ethyl-3-methyl-1 <i>H</i> -pyrazol-5-yl)ethenyl 2,2-dimethylpropanoate
Structure	
CAS Reg. No.	1253429-01-4
Formula	C ₂₄ H ₃₁ N ₃ O ₂
Use	acaricide
InChIKey	NWXGXRHWQUMXHA-XUTLUUPISA-N
InChI	InChI=1S/C24H31N3O2/c1-9-27-20(14-16(2)26-27)21(29-22(28)24(6,7)8)19(15-25)17-10-12-18(13-11-17)23(3,4)5/h10-14H,9H2,1-8H3/b21-19+
Notes	The name "cyetpyrafen" is not acceptable for use in Japan because it is too similar to cyenopyrafen and the pronunciations of the 2 names in Japanese are too similar.

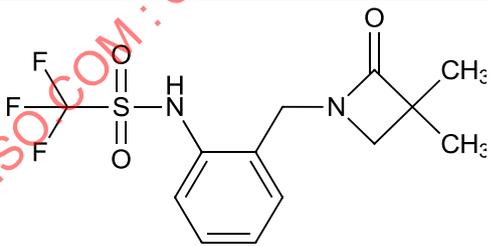
Common name	cyhalodiamide
IUPAC PIN	3-chloro- <i>N</i> ² -(2-cyanopropan-2-yl)- <i>N</i> ¹ -[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-2-methylphenyl]benzene-1,2-dicarboxamide
IUPAC name	3-chloro- <i>N</i> '-(1-cyano-1-methylethyl)- <i>N</i> '-{4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]- <i>o</i> -tolyl}phthalamide
CAS name	3-chloro- <i>N</i> ² -(1-cyano-1-methylethyl)- <i>N</i> ¹ -[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-1,2-benzenedicarboxamide
Structure	
CAS Reg. No.	1262605-53-7

Common name	cyhalodiamide
Formula	C ₂₂ H ₁₇ ClF ₇ N ₃ O ₂
Use	insecticide
InChIKey	NNRSYETYEADPBW-UHFFFAOYSA-N
InChI	InChI=1S/C22H17ClF7N3O2/c1-11-9-12(20(24,21(25,26)27)22(28,29)30)7-8-15(11)32-17(34)13-5-4-6-14(23)16(13)18(35)33-19(2,3)10-31/h4-9H,1-3H3,(H,32,34)(H,33,35)

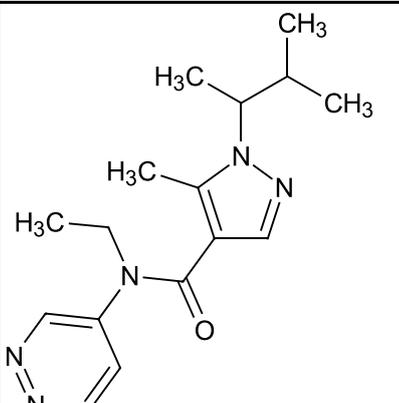
Common name	dichlobentiazox
IUPAC PIN	3-[(3,4-dichloro-1,2-thiazol-5-yl)methoxy]-1λ ⁶ ,2-benzothiazole-1,1-dione
IUPAC name	3-[(3,4-dichloroisothiazol-5-yl)methoxy]-1,2-benzisothiazole 1,1-dioxide
CAS name	3-[(3,4-dichloro-5-isothiazolyl)methoxy]-1,2-benzisothiazole 1,1-dioxide
Structure	
CAS Reg. No.	957144-77-3
Formula	C ₁₁ H ₆ Cl ₂ N ₂ O ₃ S ₂
Use	fungicide
InChIKey	CUTZZBQQGUEGT-UHFFFAOYSA-N
InChI	InChI=1S/C11H6Cl2N2O3S2/c12-9-7(19-14-10(9)13)5-18-11-6-3-1-2-4-8(6)20(16,17)15-11/h1-4H,5H2

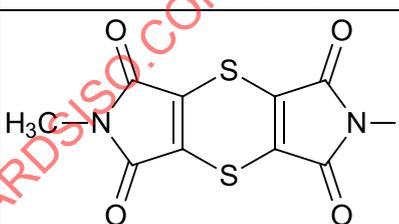
Common name	dicloromezotiaz
IUPAC PIN	1-[(2-chloro-1,3-thiazol-5-yl)methyl]-3-(3,5-dichlorophenyl)-9-methyl-2,4-dioxo-3,4-dihydro-2H-1λ ⁵ -pyrido[1,2-a]pyrimidin-1-ylum-3-ide
IUPAC name	1-[(2-chlorothiazol-5-yl)methyl]-3-(3,5-dichlorophenyl)-3,4-dihydro-9-methyl-2,4-dioxo-2H-pyrido[1,2-a]pyrimidin-1-ium-3-ide
CAS name	1-[(2-chloro-5-thiazolyl)methyl]-3-(3,5-dichlorophenyl)-9-methyl-2,4-dioxo-2H-pyrido[1,2-a]pyrimidinium inner salt

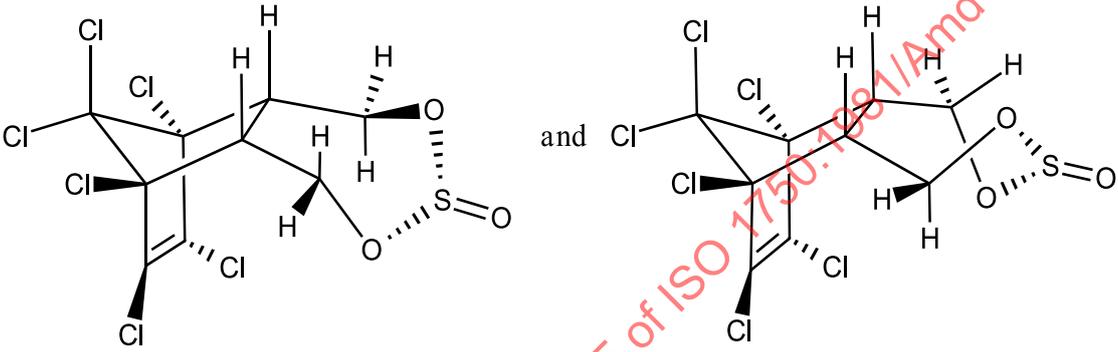
Common name	dicloromezotiaz
Structure	
CAS Reg. No.	1263629-39-5
Formula	C ₁₉ H ₁₂ Cl ₃ N ₃ O ₂ S
Use	insecticide
InChIKey	PVDQXPBKBCSNJZ-UHFFFAOYSA-N
InChI	InChI=1S/C19H12Cl3N3O2S/c1-10-3-2-4-24-16(10)25(9-14-8-23-19(22)28-14)18(27)15(17(24)26)11-5-12(20)7-13(21)6-11/h2-8H,9H2,1H3

Common name	dimesulfazet
IUPAC PIN	<i>N</i> -{2-[(3,3-dimethyl-2-oxoazetid-1-yl)methyl]phenyl}-1,1,1-trifluoromethanesulfonamide
IUPAC name	2'-[(3,3-dimethyl-2-oxoazetid-1-yl)methyl]-1,1,1-trifluoromethanesulfonanilide
CAS name	<i>N</i> -[2-[(3,3-dimethyl-2-oxo-1-azetid-1-yl)methyl]phenyl]-1,1,1-trifluoromethanesulfonamide
Structure	
CAS Reg. No.	1215111-77-5
Formula	C ₁₃ H ₁₅ F ₃ N ₂ O ₃ S
Use	herbicide
InChIKey	FITSYTCYOITKJL-UHFFFAOYSA-N
InChI	InChI=1S/C13H15F3N2O3S/c1-12(2)8-18(11(12)19)7-9-5-3-4-6-10(9)17-22(20,21)13(14,15)16/h3-6,17H,7-8H2,1-2H3

Common name	dimpropyridaz
IUPAC PIN	<i>rac</i> - <i>N</i> -ethyl-5-methyl-1-[(2 <i>R</i>)-3-methylbutan-2-yl]- <i>N</i> -(pyridazin-4-yl)-1 <i>H</i> -pyrazole-4-carboxamide

Common name	dimpropyridaz
IUPAC name	1-[(1 <i>RS</i>)-1,2-dimethylpropyl]- <i>N</i> -ethyl-5-methyl- <i>N</i> -pyridazin-4-yl-1 <i>H</i> -pyrazole-4-carboxamide
CAS name	1-(1,2-dimethylpropyl)- <i>N</i> -ethyl-5-methyl- <i>N</i> -4-pyridazinyl-1 <i>H</i> -pyrazole-4-carboxamide
Structure	
CAS Reg. No.	1403615-77-9
Formula	C ₁₆ H ₂₃ N ₅ O
Use	insecticide
InChIKey	NQPGZXOPMRKAGJ-UHFFFAOYSA-N
InChI	InChI=1S/C16H23N5O/c1-6-20(14-7-8-17-18-9-14)16(22)15-10-19-21(13(15)5)12(4)11(2)3/h7-12H,6H2,1-5H3

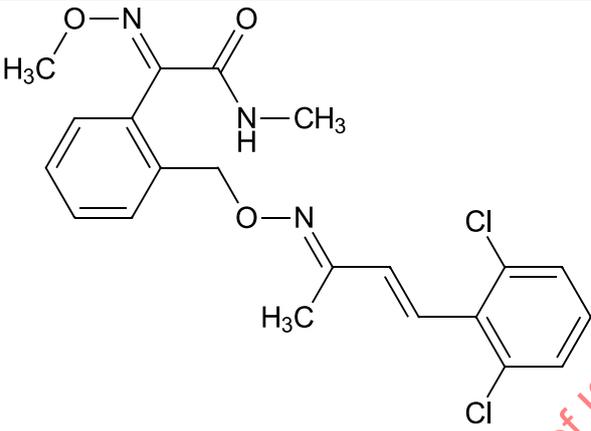
Common name	dipymetitron
IUPAC PIN	2,6-dimethyl-1 <i>H</i> ,5 <i>H</i> -[1,4]dithiino[2,3- <i>c</i> :5,6- <i>c'</i>]dipyrrole-1,3,5,7(2 <i>H</i> ,6 <i>H</i>)-tetrone
IUPAC name	2,6-dimethyl-1 <i>H</i> ,5 <i>H</i> -[1,4]dithiino[2,3- <i>c</i> :5,6- <i>c'</i>]dipyrrole-1,3,5,7(2 <i>H</i> ,6 <i>H</i>)-tetrone
CAS name	2,6-dimethyl-1 <i>H</i> ,5 <i>H</i> -[1,4]dithiino[2,3- <i>c</i> :5,6- <i>c'</i>]dipyrrole-1,3,5,7(2 <i>H</i> ,6 <i>H</i>)-tetrone
Structure	
CAS Reg. No.	16114-35-5
Formula	C ₁₀ H ₆ N ₂ O ₄ S ₂
Use	fungicide
InChIKey	FPKXBFWMIYHCID-UHFFFAOYSA-N
InChI	InChI=1S/C10H6N2O4S2/c1-11-7(13)3-4(8(11)14)18-6-5(17-3)9(15)12(2)10(6)16/h1-2H3

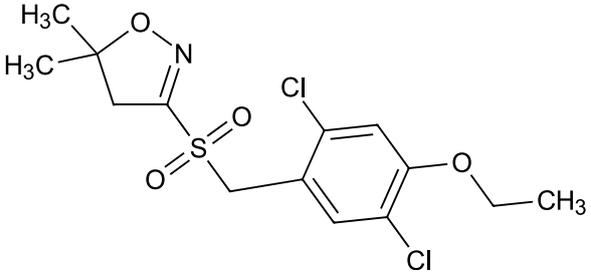
Common name	alpha-endosulfan
IUPAC PIN	equimolar mixture of 2 asymmetric, twisted-chair conformers of (5aR,6S,9R,9aS)-6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-3H-6,9-methano-2,4,3λ ⁴ -benzodioxathiepin-3-one
IUPAC name	equimolar mixture of 2 asymmetric, twisted-chair conformers of (5aR,6S,9R,9aS)-6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide
CAS name	(3α,5aβ,6α,9α,9aβ)-6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide
Structure	 <p>(the wedge bonds are used to indicate direction, not stereoisomerism)</p>
CAS Reg. No.	959-98-8
Formula	C ₉ H ₆ Cl ₆ O ₃ S
Use	insecticide
InChIKey	RDYMFUSUJZBWLH-AZVNHNRSSA-N
InChI	InChI=1S/C9H6Cl6O3S/c10-5-6(11)8(13)4-2-18-19(16)17-1-3(4)7(5,12)9(8,14)15/h3-4H,1-2H2/t3-,4+,7-,8+,19?
Notes	<p>1 This substance is one of the two pairs of components of commercial endosulfan [115-29-7].</p> <p>2 The α- and β-forms of endosulfan were originally misidentified as different geometric isomers, and were later shown to be different conformations of a single isomer.</p>

Common name	enoxastrobin
IUPAC PIN	methyl (2E)-2-{2-[[{[(2E,3E)-4-(4-chlorophenyl)but-3-en-2-ylidene]amino}oxy)methyl]phenyl}-3-methoxyprop-2-enoate
IUPAC name	methyl (2E)-2-{2-[[{[(E)-[(2E)-3-(4-chlorophenyl)-1-methylallylidene]amino}oxy)methyl]phenyl}-3-methoxyacrylate
CAS name	methyl (αE)-2-[[[[(E)-[(2E)-3-(4-chlorophenyl)-1-methyl-2-propen-1-ylidene]amino]oxy)methyl]-α-(methoxymethylene)benzeneacetate

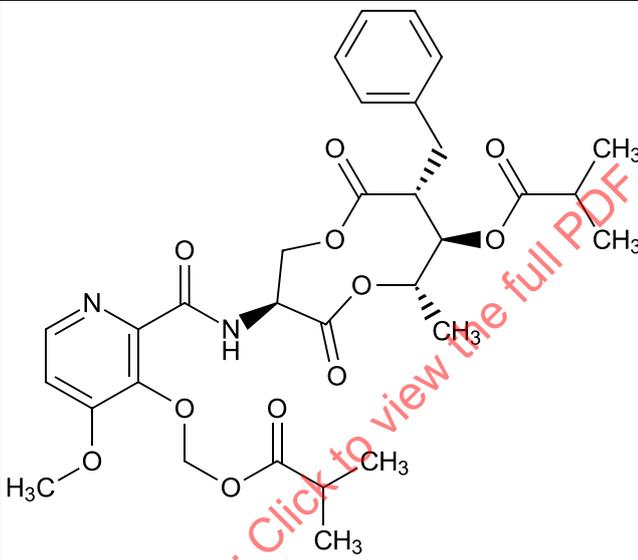
Common name	enoxastrobin
Structure	
CAS Reg. No.	238410-11-2
Formula	C ₂₂ H ₂₂ ClNO ₄
Use	fungicide
InChIKey	VMNULHCTRPXWFJ-UJSVPXBISA-N
InChI	InChI=1S/C22H22ClNO4/c1-16(8-9-17-10-12-19(23)13-11-17)24-28-14-18-6-4-5-7-20(18)21(15-26-2)22(25)27-3/h4-13,15H,14H2,1-3H3/b9-8+,21-15+,24-16+

Common name	epyrifenacil
IUPAC PIN	ethyl [(3-{2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-3,6-dihydropyrimidin-1(2H)-yl]phenoxy}pyridin-2-yl)oxy]acetate
IUPAC name	ethyl [(3-{2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)pyrimidin-1(2H)-yl]-4-fluorophenoxy}-2-pyridyl)oxy]acetate
CAS name	ethyl 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]acetate
Structure	
CAS Reg. No.	353292-31-6
Formula	C ₂₁ H ₁₆ ClF ₄ N ₃ O ₆
Use	herbicide
InChIKey	XPEVJXBWHXAUDR-UHFFFAOYSA-N
InChI	InChI=1S/C21H16ClF4N3O6/c1-3-33-18(31)10-34-19-14(5-4-6-27-19)35-15-8-13(12(23)7-11(15)22)29-17(30)9-16(21(24,25)26)28(2)20(29)32/h4-9H,3,10H2,1-2H3

Common name	fenaminstrobin
IUPAC PIN	(2E)-2-{2-[[[(2E,3E)-4-(2,6-dichlorophenyl)but-3-en-2-ylidene]amino]oxy)methyl]phenyl}-2-(methoxyimino)-N-methylacetamide
IUPAC name	(2E)-2-{2-[[[(E)-[(2E)-3-(2,6-dichlorophenyl)-1-methylprop-2-enylidene]amino]oxy)methyl]phenyl}-2-(methoxyimino)-N-methylacetamide
CAS name	(αE)-2-[[[(E)-[(2E)-3-(2,6-dichlorophenyl)-1-methyl-2-propen-1-ylidene]amino]oxy)methyl]-α-(methoxyimino)-N-methylbenzeneacetamide
Structure	
CAS Reg. No.	366815-39-6
Formula	C ₂₁ H ₂₁ Cl ₂ N ₃ O ₃
Use	fungicide
InChIKey	RBWGTZRSEOIHFD-UHUFKFKFSA-N
InChI	InChI=1S/C21H21Cl2N3O3/c1-14(11-12-17-18(22)9-6-10-19(17)23)25-29-13-15-7-4-5-8-16(15)20(26-28-3)21(27)24-2/h4-12H,13H2,1-3H3,(H,24,27)/b12-11+,25-14+,26-20+

Common name	fenoxasulfone
IUPAC PIN	3-[[2,5-dichloro-4-ethoxyphenyl](methanesulfonyl)]-5,5-dimethyl-4,5-dihydro-1,2-oxazole
IUPAC name	2,5-dichloro-α-[[4,5-dihydro-5,5-dimethylisoxazol-3-yl)sulfonyl]-p-tolyl ethyl ether
CAS name	3-[[[2,5-dichloro-4-ethoxyphenyl)methyl]sulfonyl]-4,5-dihydro-5,5-dimethylisoxazole
Structure	
CAS Reg. No.	639826-16-7
Formula	C ₁₄ H ₁₇ Cl ₂ NO ₄ S
Use	herbicide

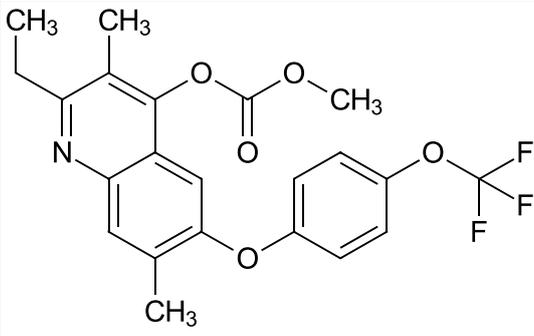
Common name	fenoxasulfone
InChIKey	ACDZDIWZVQMIX-UHFFFAOYSA-N
InChI	InChI=1S/C14H17Cl2NO4S/c1-4-20-12-6-10(15)9(5-11(12)16)8-22(18,19)13-7-14(2,3)21-17-13/h5-6H,4,7-8H2,1-3H3

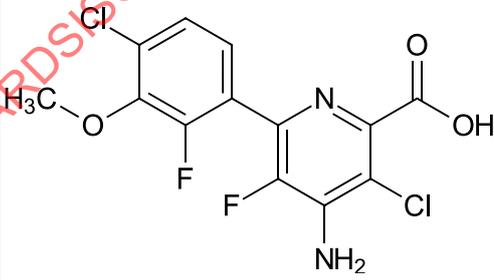
Common name	fenpicoxamid
IUPAC PIN	{{[2-({[(3 <i>S</i> ,7 <i>R</i> ,8 <i>R</i> ,9 <i>S</i>)-7-benzyl-9-methyl-8-[(2-methylpropanoyl)oxy]-2,6-dioxo-1,5-dioxonan-3-yl]carbamoyl)-4-methoxy-pyridin-3-yl]oxy}methyl 2-methylpropanoate
IUPAC name	[[2-{{[(3 <i>S</i> ,7 <i>R</i> ,8 <i>R</i> ,9 <i>S</i>)-7-benzyl-8-(isobutyryloxy)-9-methyl-2,6-dioxo-1,5-dioxonan-3-yl]carbamoyl}-4-methoxy-3-pyridinyl]oxy]methyl isobutyrate
CAS name	[[4-methoxy-2-[[[(3 <i>S</i> ,7 <i>R</i> ,8 <i>R</i> ,9 <i>S</i>)-9-methyl-8-(2-methyl-1-oxopropoxy)-2,6-dioxo-7-(phenylmethyl)-1,5-dioxonan-3-yl]amino]carbonyl]-3-pyridinyl]oxy]methyl 2-methylpropanoate
Structure	
CAS Reg. No.	517875-34-2
Formula	C ₃₁ H ₃₈ N ₂ O ₁₁
Use	fungicide
InChIKey	QGTOTYJSCYHYFK-RBODFLQRSA-N
InChI	InChI=1S/C31H38N2O11/c1-17(2)28(35)42-16-41-26-23(39-6)12-13-32-24(26)27(34)33-22-15-40-30(37)21(14-20-10-8-7-9-11-20)25(19(5)43-31(22)38)44-29(36)18(3)4/h7-13,17-19,21-22,25H,14-16H2,1-6H3,(H,33,34)/t19-,21+,22-,25-/m0/s1

Common name	fenpyrazamine
IUPAC PIN	<i>S</i> -prop-2-en-1-yl 5-amino-4-(2-methylphenyl)-3-oxo-2-(propan-2-yl)-2,3-dihydro-1 <i>H</i> -pyrazole-1-carbothioate
IUPAC name	<i>S</i> -allyl 5-amino-2,3-dihydro-2-isopropyl-3-oxo-4-(<i>o</i> -tolyl)-1 <i>H</i> -pyrazole-1-carbothioate

Common name	fenpyrazamine
CAS name	<i>S</i> -2-propen-1-yl 5-amino-2,3-dihydro-2-(1-methylethyl)-4-(2-methylphenyl)-3-oxo-1 <i>H</i> -pyrazole-1-carbothioate
Structure	
CAS Reg. No.	473798-59-3
Formula	C ₁₇ H ₂₁ N ₃ O ₂ S
Use	fungicide
InChIKey	UTOHZQYBSYOOGC-UHFFFAOYSA-N
InChI	InChI=1S/C17H21N3O2S/c1-5-10-23-17(22)20-15(18)14(16(21)19(20)11(2)3)13-9-7-6-8-12(13)4/h5-9,11H,1,10,18H2,2-4H3

Common name	fenquinotrione
IUPAC PIN	2-[8-chloro-4-(4-methoxyphenyl)-3-oxo-3,4-dihydro(quinoxaline-2-carbonyl)]cyclohexane-1,3-dione
IUPAC name	2-[[8-chloro-3,4-dihydro-4-(4-methoxyphenyl)-3-oxoquinoxalin-2-yl]carbonyl]cyclohexane-1,3-dione
CAS name	2-[[8-chloro-3,4-dihydro-4-(4-methoxyphenyl)-3-oxo-2-quinoxaliny]carbonyl]-1,3-cyclohexanedione
Structure	
CAS Reg. No.	1342891-70-6
Formula	C ₂₂ H ₁₇ ClN ₂ O ₅
Use	herbicide
InChIKey	KPSTXQYTZBZXMM-UHFFFAOYSA-N
InChI	InChI=1S/C22H17ClN2O5/c1-30-13-10-8-12(9-11-13)25-15-5-2-4-14(23)19(15)24-20(22(25)29)21(28)18-16(26)6-3-7-17(18)27/h2,4-5,8-11,18H,3,6-7H2,1H3

Common name	flometoquin
IUPAC PIN	2-ethyl-3,7-dimethyl-6-[4-(trifluoromethoxy)phenoxy]quinolin-4-yl methyl carbonate
IUPAC name	2-ethyl-3,7-dimethyl-6-[4-(trifluoromethoxy)phenoxy]-4-quinolyl methyl carbonate
CAS name	2-ethyl-3,7-dimethyl-6-[4-(trifluoromethoxy)phenoxy]-4-quinolyl methyl carbonate
Structure	
CAS Reg. No.	875775-74-9
Formula	C ₂₂ H ₂₀ F ₃ NO ₅
Use	insecticide
InChIKey	FMPFURNXXAKYNE-UHFFFAOYSA-N
InChI	InChI=1S/C22H20F3NO5/c1-5-17-13(3)20(30-21(27)28-4)16-11-19(12(2)10-18(16)26-17)29-14-6-8-15(9-7-14)31-22(23,24)25/h6-11H,5H2,1-4H3

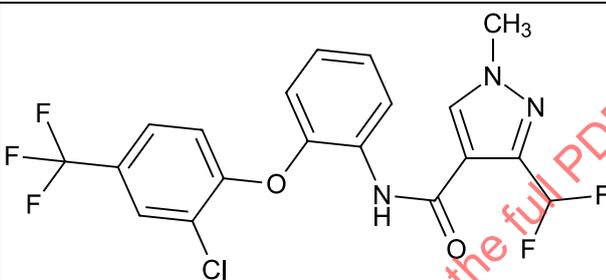
Common name	florpyrauxifen
IUPAC PIN	4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-5-fluoropyridine-2-carboxylic acid
IUPAC name	4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-5-fluoropyridine-2-carboxylic acid
CAS name	4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-5-fluoro-2-pyridinecarboxylic acid
Structure	
CAS Reg. No.	943832-81-3
Formula	C ₁₃ H ₈ Cl ₂ F ₂ N ₂ O ₃
Use	herbicide
InChIKey	XFZUQTKDBCOXPP-UHFFFAOYSA-N
InChI	InChI=1S/C13H8Cl2F2N2O3/c1-22-12-5(14)3-2-4(7(12)16)10-8(17)9(18)6(15)11(19-10)13(20)21/h2-3H,1H3,(H2,18,19)(H,20,21)

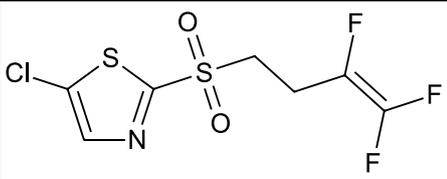
Common name	florpyrauxifen
Notes	It should be stated which ester is present, for example florpyrauxifen-benzyl [1390661-72-9].

Common name	florylpicoxamid
IUPAC name	(1 <i>S</i>)-2,2-bis(4-fluorophenyl)-1-methylethyl <i>N</i> -[[3-(acetoxy-4-methoxy-2-pyridyl)carbonyl]-L-alaninate
CAS name	(1 <i>S</i>)-2,2-bis(4-fluorophenyl)-1-methylethyl <i>N</i> -[[3-(acetyloxy)-4-methoxy-2-pyridinyl]carbonyl]-L-alaninate
Structure	
CAS Reg. No.	1961312-55-9
Formula	C ₂₇ H ₂₆ F ₂ N ₂ O ₆
Use	fungicide
InChIKey	ATZHVIVDMUCBEY-HOTGVXAUSA-N
InChI	InChI=1S/C27H26F2N2O6/c1-15(31-26(33)24-25(37-17(3)32)22(35-4)13-14-30-24)27(34)36-16(2)23(18-5-9-20(28)10-6-18)19-7-11-21(29)12-8-19/h5-16,23H,1-4H3,(H,31,33)/t15-,16-/m0/s1

Common name	fluazaindolizine
IUPAC PIN	8-chloro- <i>N</i> -[2-chloro-5-methoxy(benzene-1-sulfonyl)]-6-(trifluoromethyl)imidazo[1,2- <i>a</i>]pyridine-2-carboxamide
IUPAC name	8-chloro- <i>N</i> -[(2-chloro-5-methoxyphenyl)sulfonyl]-6-(trifluoromethyl)imidazo[1,2- <i>a</i>]pyridine-2-carboxamide
CAS name	8-chloro- <i>N</i> -[(2-chloro-5-methoxyphenyl)sulfonyl]-6-(trifluoromethyl)imidazo[1,2- <i>a</i>]pyridine-2-carboxamide
Structure	
CAS Reg. No.	1254304-22-7

Common name	fluazaindolizine
Formula	C ₁₆ H ₁₀ Cl ₂ F ₃ N ₃ O ₄ S
Use	nematicide
InChIKey	PHCCDUCBMCYSNQ-UHFFFAOYSA-N
InChI	InChI=1S/C16H10Cl2F3N3O4S/c1-28-9-2-3-10(17)13(5-9)29(26,27)23-15(25)12-7-24-6-8(16(19,20)21)4-11(18)14(24)22-12/h2-7H,1H3,(H,23,25)

Common name	flubeneteram
IUPAC PIN	<i>N</i> -{2-[2-chloro-4-(trifluoromethyl)phenoxy]phenyl}-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
IUPAC name	2'-[(2-chloro- α,α,α -trifluoro- <i>p</i> -tolyl)oxy]-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxanilide
CAS name	<i>N</i> -[2-[2-chloro-4-(trifluoromethyl)phenoxy]phenyl]-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
Structure	
CAS Reg. No.	1676101-39-5
Formula	C ₁₉ H ₁₃ ClF ₅ N ₃ O ₂
Use	herbicide
InChIKey	YSVSUCSNKUVUFZ-UHFFFAOYSA-N
InChI	InChI=1S/C19H13ClF5N3O2/c1-28-9-11(16(27-28)17(21)22)18(29)26-13-4-2-3-5-15(13)30-14-7-6-10(8-12(14)20)19(23,24)25/h2-9,17H,1H3,(H,26,29)

Common name	fluensulfone
IUPAC PIN	5-chloro-2-[3,4,4-trifluoro(but-3-ene-1-sulfonyl)]-1,3-thiazole
IUPAC name	5-chlorothiazol-2-yl 3,4,4-trifluorobut-3-enyl sulfone
CAS name	5-chloro-2-[(3,4,4-trifluoro-3-buten-1-yl)sulfonyl]thiazole
Structure	
CAS Reg. No.	318290-98-1
Formula	C ₇ H ₅ ClF ₃ NO ₂ S ₂
Use	nematicide

Common name	fluensulfone
InChIKey	XSNMWAPKHUGZGQ-UHFFFAOYSA-N
InChI	InChI=1S/C7H5ClF3NO2S2/c8-5-3-12-7(15-5)16(13,14)2-1-4(9)6(10)11/h3H,1-2H2

Common name	flufenoxystrobin
IUPAC PIN	methyl (2E)-2-(2-{{2-chloro-4-(trifluoromethyl)phenoxy}methyl}phenyl)-3-methoxyprop-2-enoate
IUPAC name	methyl (2E)-2-(2-{{2-chloro- α,α,α -trifluoro- <i>p</i> -tolyl}oxy}methyl}phenyl)-3-methoxyacrylate
CAS name	methyl (αE)-2-[[2-chloro-4-(trifluoromethyl)phenoxy]methyl]- α -(methoxymethylene)benzeneacetate
Structure	
CAS Reg. No.	918162-02-4
Formula	C ₁₉ H ₁₆ ClF ₃ O ₄
Use	acaricide, fungicide
InChIKey	MBHXIQDIVCJZTD-RVDMUPIBSA-N
InChI	InChI=1S/C19H16ClF3O4/c1-25-11-15(18(24)26-2)14-6-4-3-5-12(14)10-27-17-8-7-13(9-16(17)20)19(21,22)23/h3-9,11H,10H2,1-2H3/b15-11+

Common name	flufiprole
IUPAC PIN	1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(2-methylprop-2-en-1-yl)amino]-4-[[trifluoro(methanesulfinyl)]-1 <i>H</i> -pyrazole-3-carbonitrile
IUPAC name	1-(2,6-dichloro- α,α,α -trifluoro- <i>p</i> -tolyl)-5-[(2-methylallyl)amino]-4-[[trifluoromethyl]sulfinyl]-1 <i>H</i> -pyrazole-3-carbonitrile
CAS name	1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-[(2-methyl-2-propen-1-yl)amino]-4-[[trifluoromethyl]sulfinyl]-1 <i>H</i> -pyrazole-3-carbonitrile

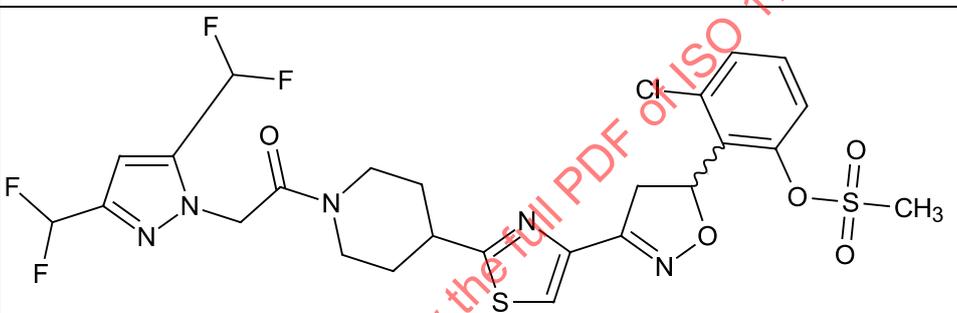
Common name	flufiprole
Structure	
CAS Reg. No.	704886-18-0
Formula	C ₁₆ H ₁₀ Cl ₂ F ₆ N ₄ OS
Use	insecticide
InChIKey	HVQHXBNNMBZJPLK-UHFFFAOYSA-N
InChI	InChI=1S/C16H10Cl2F6N4OS/c1-7(2)6-26-14-13(30(29)16(22,23)24)11(5-25)27-28(14)12-9(17)3-8(4-10(12)18)15(19,20)21/h3-4,26H,1,6H2,2H3

Common name	fluhexafon
IUPAC PIN	(2E)-[[1E,4E]-4-(methoxyimino)cyclohexyl][3,3,3-trifluoro(propane-1-sulfonyl)]acetonitrile
IUPAC name	(2RS)-{[1(4)-EZ]-4-(methoxyimino)cyclohexyl}[(3,3,3-trifluoropropyl)sulfonyl]acetonitrile
CAS name	4-(methoxyimino)-α-[(3,3,3-trifluoropropyl)sulfonyl]cyclohexaneacetonitrile
Structure	
CAS Reg. No.	1097630-26-6
Formula	C ₁₂ H ₁₇ F ₃ N ₂ O ₃ S
Use	insecticide
InChIKey	NGLCOYIAJMJYQI-UHFFFAOYSA-N
InChI	InChI=1S/C12H17F3N2O3S/c1-20-17-10-4-2-9(3-5-10)11(8-16)21(18,19)7-6-12(13,14)15/h9,11H,2-7H2,1H3

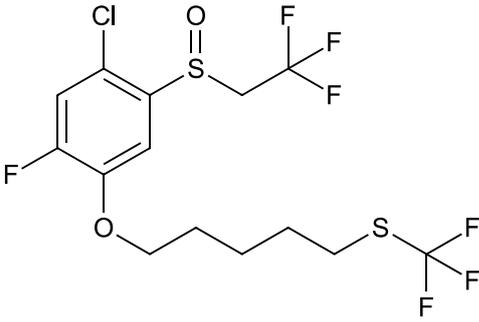
Common name	fluindapyr
IUPAC PIN	<i>rac</i> -3-(difluoromethyl)- <i>N</i> -[(3 <i>R</i>)-7-fluoro-1,1,3-trimethyl-2,3-dihydro-1 <i>H</i> -inden-4-yl]-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
IUPAC name	3-(difluoromethyl)- <i>N</i> -[(3 <i>RS</i>)-7-fluoro-2,3-dihydro-1,1,3-trimethyl-1 <i>H</i> -inden-4-yl]-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
CAS name	3-(difluoromethyl)- <i>N</i> -(7-fluoro-2,3-dihydro-1,1,3-trimethyl-1 <i>H</i> -inden-4-yl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
Structure	
CAS Reg. No.	1383809-87-7
Formula	C ₁₈ H ₂₀ F ₃ N ₃ O
Use	fungicide
InChIKey	XCGBHLLWJZOLEM-UHFFFAOYSA-N
InChI	InChI=1S/C18H20F3N3O/c1-9-7-18(2,3)14-11(19)5-6-12(13(9)14)22-17(25)10-8-24(4)23-15(10)16(20)21/h5-6,8-9,16H,7H2,1-4H3,(H,22,25)

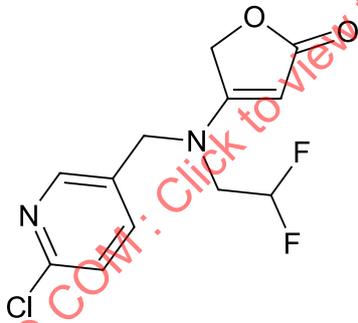
Common name	fluopimomide
IUPAC PIN	<i>N</i> -{[3-chloro-5-(trifluoromethyl)pyridin-2-yl]methyl}-2,3,5,6-tetrafluoro-4-methoxybenzamide
IUPAC name	<i>N</i> -{[3-chloro-5-(trifluoromethyl)-2-pyridyl]methyl}-2,3,5,6-tetrafluoro- <i>p</i> -anisamide
CAS name	<i>N</i> -{[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl}-2,3,5,6-tetrafluoro-4-methoxybenzamide
Structure	
CAS Reg. No.	1309859-39-9
Formula	C ₁₅ H ₈ ClF ₇ N ₂ O ₂

Common name	fluopimomide
Use	bactericide, fungicide
InChIKey	DNJKFZQFTZJKDK-UHFFFAOYSA-N
InChI	InChI=1S/C15H8ClF7N2O2/c1-27-13-11(19)9(17)8(10(18)12(13)20)14(26)25-4-7-6(16)2-5(3-24-7)15(21,22)23/h2-3H,4H2,1H3,(H,25,26)

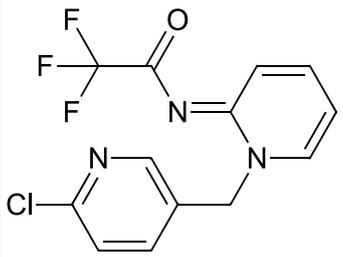
Common name	fluoxapiprolin
IUPAC PIN	<i>rac</i> -2-{{(5 <i>R</i>)-3-[2-(1-{{[3,5-bis(difluoromethyl)-1 <i>H</i> -pyrazol-1-yl]acetyl}piperidin-4-yl)-1,3-thiazol-4-yl]-4,5-dihydro-1,2-oxazol-5-yl}-3-chlorophenyl methanesulfonate
IUPAC name	2-{{(5 <i>RS</i>)-3-[2-(1-{{[3,5-bis(difluoromethyl)-1 <i>H</i> -pyrazol-1-yl]acetyl}-4-piperidyl)thiazol-4-yl]-4,5-dihydroisoxazol-5-yl}-3-chlorophenyl methanesulfonate
CAS name	2-[3,5-bis(difluoromethyl)-1 <i>H</i> -pyrazol-1-yl]-1-[4-[4-[5-[2-chloro-6-[[methylsulfonyl]oxy]phenyl]-4,5-dihydro-3-isoxazolyl]-2-thiazolyl]-1-piperidinyl]ethanone
Structure	
CAS Reg. No.	1360819-11-9
Formula	C ₂₅ H ₂₄ ClF ₄ N ₅ O ₅ S ₂
Use	fungicide
InChIKey	ZEXXEODAXHSRDJ-UHFFFAOYSA-N
InChI	InChI=1S/C25H24ClF4N5O5S2/c1-42(37,38)40-19-4-2-3-14(26)22(19)20-10-15(33-39-20)17-12-41-25(31-17)13-5-7-34(8-6-13)21(36)11-35-18(24(29)30)9-16(32-35)23(27)28/h2-4,9,12-13,20,23-24H,5-8,10-11H2,1H3

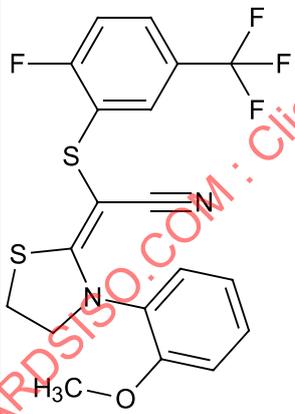
Common name	flupentiofenox
IUPAC PIN	<i>rac</i> -1-chloro-5-fluoro-2-[(<i>R</i>)-2,2,2-trifluoro(ethanesulfinyl)]-4-{{5-[(trifluoromethyl)sulfonyl]pentyl}oxy)benzene
IUPAC name	4-chloro-2-fluoro-5-[(<i>RS</i>)-(2,2,2-trifluoroethyl)sulfinyl]phenyl 5-[(trifluoromethyl)thio]pentyl ether
CAS name	1-chloro-5-fluoro-2-[(2,2,2-trifluoroethyl)sulfinyl]-4-[[5-[(trifluoromethyl)thio]pentyl]oxy]benzene

Common name	flupentiofenox
Structure	
CAS Reg. No.	1472050-04-6
Formula	C ₁₄ H ₁₄ ClF ₇ O ₂ S ₂
Use	acaricide
InChIKey	WVQAOADFBKKFRM-UHFFFAOYSA-N
InChI	InChI=1S/C14H14ClF7O2S2/c15-9-6-10(16)11(7-12(9)26(23)8-13(17,18)19)24-4-2-1-3-5-25-14(20,21)22/h6-7H,1-5,8H2

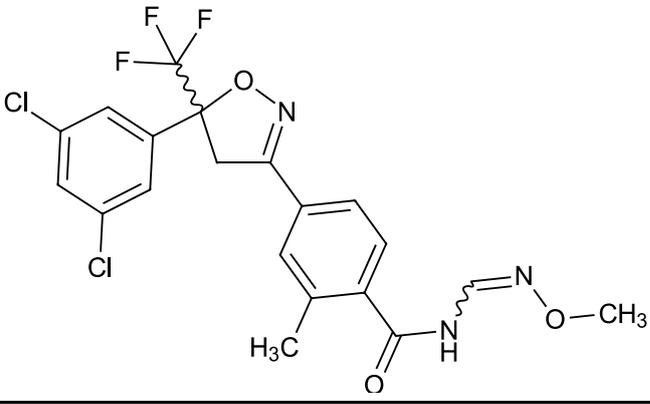
Common name	flupyradifurone
IUPAC PIN	4-[[[6-chloropyridin-3-yl)methyl](2,2-difluoroethyl)amino]furan-2(5H)-one
IUPAC name	4-[[[6-chloro-3-pyridyl)methyl](2,2-difluoroethyl)amino]furan-2(5H)-one
CAS name	4-[[[6-chloro-3-pyridinyl)methyl](2,2-difluoroethyl)amino]-2(5H)-furanone
Structure	
CAS Reg. No.	951659-40-8
Formula	C ₁₂ H ₁₁ ClF ₂ N ₂ O ₂
Use	insecticide
InChIKey	QOIYTRGFOFZKFK-UHFFFAOYSA-N
InChI	InChI=1S/C12H11ClF2N2O2/c13-10-2-1-8(4-16-10)5-17(6-11(14)15)9-3-12(18)19-7-9/h1-4,11H,5-7H2

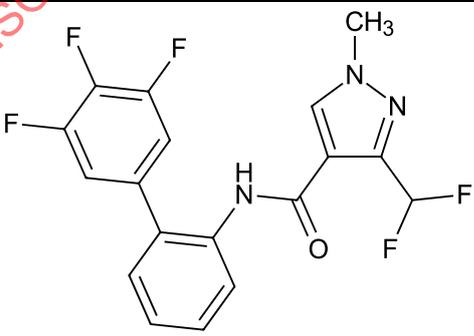
Common name	flupyrimin
IUPAC PIN	<i>N</i> -{[(2 <i>E</i>)-1-[[6-chloropyridin-3-yl)methyl]pyridin-2(1 <i>H</i>)-ylidene]-2,2,2-trifluoroacetamide
IUPAC name	<i>N</i> -{[(<i>E</i>)-1-[[6-chloro-3-pyridyl)methyl]-2(1 <i>H</i>)-pyridylidene]-2,2,2-trifluoroacetamide
CAS name	[<i>N</i> (<i>E</i>)]- <i>N</i> -[1-[[6-chloro-3-pyridinyl)methyl]-2(1 <i>H</i>)-pyridinylidene]-2,2,2-trifluoroacetamide

Common name	flupyrimin
Structure	
CAS Reg. No.	1689566-03-7
Formula	C ₁₃ H ₉ ClF ₃ N ₃ O
Use	insecticide
InChIKey	DHQKLWKZSFCKTA-YBFXNURJSA-N
InChI	InChI=1S/C13H9ClF3N3O/c14-10-5-4-9(7-18-10)8-20-6-2-1-3-11(20)19-12(21)13(15,16)17/h1-7H,8H2/b19-11+

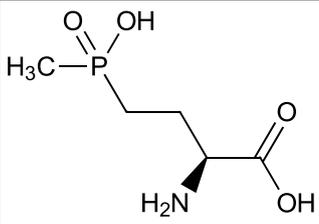
Common name	flutianil
IUPAC PIN	(2Z)-{[2-fluoro-5-(trifluoromethyl)phenyl]sulfanyl}[3-(2-methoxyphenyl)-1,3-thiazolidin-2-ylidene]acetonitrile
IUPAC name	(Z)-[3-(2-methoxyphenyl)thiazolidin-2-ylidene][[(α,α,α,4-tetrafluoro- <i>m</i> -tolyl)thio]acetonitrile
CAS name	(2Z)-2-[[2-fluoro-5-(trifluoromethyl)phenyl]thio]-2-[3-(2-methoxyphenyl)-2-thiazolidinylidene]acetonitrile
Structure	
CAS Reg. No.	958647-10-4
Formula	C ₁₉ H ₁₄ F ₄ N ₂ OS ₂
Use	fungicide
InChIKey	KGXUEPOHGFQKF-ZCXUNETKSA-N
InChI	InChI=1S/C19H14F4N2OS2/c1-26-15-5-3-2-4-14(15)25-8-9-27-18(25)17(11-24)28-16-10-12(19(21,22)23)6-7-13(16)20/h2-7,10H,8-9H2,1H3/b18-17-

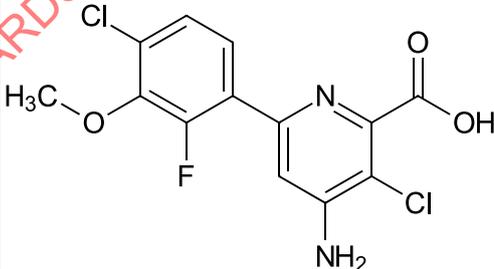
Common name	fluxametamide
IUPAC PIN	<i>rac</i> -4-[(5 <i>R</i>)-5-(3,5-dichlorophenyl)-5-(trifluoromethyl)-4,5-dihydro-1,2-oxazol-3-yl]- <i>N</i> -[(<i>E</i>)-(methoxyimino)methyl]-2-methylbenzamide

Common name	fluxametamide
IUPAC name	4-[(5 <i>RS</i>)-5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)isoxazol-3-yl]- <i>N</i> -[(<i>EZ</i>)-(methoxyimino)methyl]- <i>o</i> -toluamide
CAS name	4-[5-(3,5-dichlorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]- <i>N</i> -[(methoxyamino)methylene]-2-methylbenzamide
Structure	
CAS Reg. No.	928783-29-3
Formula	C ₂₀ H ₁₆ Cl ₂ F ₃ N ₃ O ₃
Use	insecticide
InChIKey	BPFUIWLQXNPZHI-UHFFFAOYSA-N
InChI	InChI=1S/C20H16Cl2F3N3O3/c1-11-5-12(3-4-16(11)18(29)26-10-27-30-2)17-9-19(31-28-17,20(23,24)25)13-6-14(21)8-15(22)7-13/h3-8,10H,9H2,1-2H3,(H,26,27,29)

Common name	fluxapyroxad
IUPAC PIN	3-(difluoromethyl)-1-methyl- <i>N</i> -(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-1 <i>H</i> -pyrazole-4-carboxamide
IUPAC name	3-(difluoromethyl)-1-methyl-2'-(3,4,5-trifluorophenyl)-1 <i>H</i> -pyrazole-4-carboxanilide
CAS name	3-(difluoromethyl)-1-methyl- <i>N</i> -(3',4',5'-trifluoro[1,1'-biphenyl]-2-yl)-1 <i>H</i> -pyrazole-4-carboxamide
Structure	
CAS Reg. No.	907204-31-3
Formula	C ₁₈ H ₁₂ F ₅ N ₃ O
Use	fungicide
InChIKey	SXSGXWCSSHVPGB-UHFFFAOYSA-N

Common name	fluxapyroxad
InChI	InChI=1S/C18H12F5N3O/c1-26-8-11(16(25-26)17(22)23)18(27)24-14-5-3-2-4-10(14)9-6-12(19)15(21)13(20)7-9/h2-8,17H,1H3,(H,24,27)

Common name	glufosinate-P
IUPAC PIN	(2S)-2-amino-4-[hydroxy(methyl)phosphoryl]butanoic acid
IUPAC name	(S)-2-amino-4-[hydroxy(methyl)phosphinoyl]butyric acid
CAS name	(2S)-2-amino-4-(hydroxymethylphosphinyl)butanoic acid
Structure	
CAS Reg. No.	35597-44-5
Formula	C ₅ H ₁₂ NO ₄ P
Use	herbicide
InChIKey	IAJOBQBIJHVGMQ-BYPYZUCNSA-N
InChI	InChI=1S/C5H12NO4P/c1-11(9,10)3-2-4(6)5(7)8/h4H,2-3,6H2,1H3,(H,7,8)(H,9,10)/t4-/m0/s1
Notes	<p>1 It should be stated which ester or salt is present, for example glufosinate-P-ammonium [73777-50-1], glufosinate-P-sodium [70033-13-5].</p> <p>2 The unresolved enantiomeric mixture has the common name glufosinate [51276-47-2].</p>

Common name	halauxifen
IUPAC PIN	4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)pyridine-2-carboxylic acid
IUPAC name	4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)pyridine-2-carboxylic acid
CAS name	4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-2-pyridinecarboxylic acid
Structure	
CAS Reg. No.	943832-60-8
Formula	C ₁₃ H ₉ Cl ₂ FN ₂ O ₃
Use	herbicide
InChIKey	KKLBEFSLWYDQFI-UHFFFAOYSA-N

Common name	halauxifen
InChI	InChI=1S/C13H9Cl2FN2O3/c1-21-12-6(14)3-2-5(10(12)16)8-4-7(17)9(15)11(18-8)13(19)20/h2-4H,1H3,(H2,17,18)(H,19,20)
Notes	It should be stated which ester or salt is present, for example halauxifen-methyl [943831-98-9].

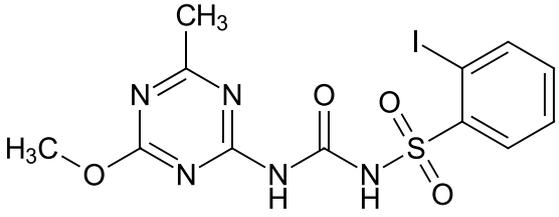
Common name	heptafluthrin
IUPAC PIN	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl (1 <i>E</i> ,3 <i>E</i>)-2,2-dimethyl-3-[(1 <i>Z</i>)-3,3,3-trifluoroprop-1-en-1-yl]cyclopropane-1-carboxylate
IUPAC name	2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1 <i>RS</i> ,3 <i>RS</i> ;1 <i>RS</i> ,3 <i>SR</i>)-2,2-dimethyl-3-[(1 <i>Z</i>)-3,3,3-trifluoroprop-1-enyl]cyclopropanecarboxylate
CAS name	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl 2,2-dimethyl-3-[(1 <i>Z</i>)-3,3,3-trifluoro-1-propen-1-yl]cyclopropanecarboxylate
Structure	
CAS Reg. No.	1130296-65-9
Formula	C ₁₈ H ₁₇ F ₇ O ₃
Use	insecticide
InChIKey	BKACAEJQMLLGAV-PLNGDYQASA-N
InChI	InChI=1S/C18H17F7O3/c1-17(2)10(4-5-18(23,24)25)11(17)16(26)28-7-9-14(21)12(19)8(6-27-3)13(20)15(9)22/h4-5,10-11H,6-7H2,1-3H3/b5-4-

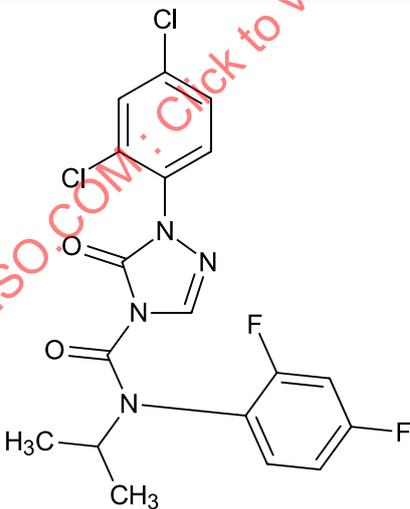
Common name	indaziflam
IUPAC PIN	<i>N</i> ² -[(1 <i>R</i> ,2 <i>S</i>)-2,6-dimethyl-2,3-dihydro-1 <i>H</i> -inden-1-yl]-6-[(1 <i>E</i>)-1-fluoroethyl]-1,3,5-triazine-2,4-diamine
IUPAC name	<i>N</i> ² -[(1 <i>R</i> ,2 <i>S</i>)-2,3-dihydro-2,6-dimethyl-1 <i>H</i> -inden-1-yl]-6-[(1 <i>RS</i>)-1-fluoroethyl]-1,3,5-triazine-2,4-diamine
CAS name	<i>N</i> ² -[(1 <i>R</i> ,2 <i>S</i>)-2,3-dihydro-2,6-dimethyl-1 <i>H</i> -inden-1-yl]-6-(1-fluoroethyl)-1,3,5-triazine-2,4-diamine
Structure	

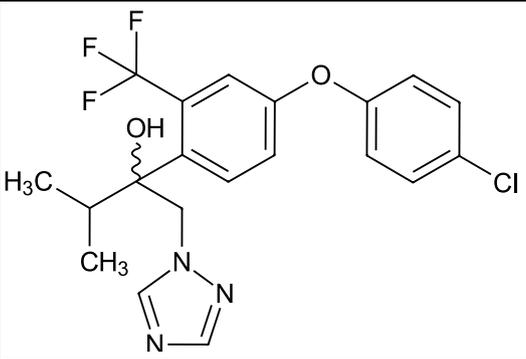
Common name	indaziflam
CAS Reg. No.	950782-86-2
Formula	C ₁₆ H ₂₀ FN ₅
Use	herbicide
InChIKey	YFONKFDEZLYQDH-BOURZNODSA-N
InChI	InChI=1S/C16H20FN5/c1-8-4-5-11-7-9(2)13(12(11)6-8)19-16-21-14(10(3)17)20-15(18)22-16/h4-6,9-10,13H,7H2,1-3H3,(H3,18,19,20,21,22)/t9-,10?,13+/m0/s1

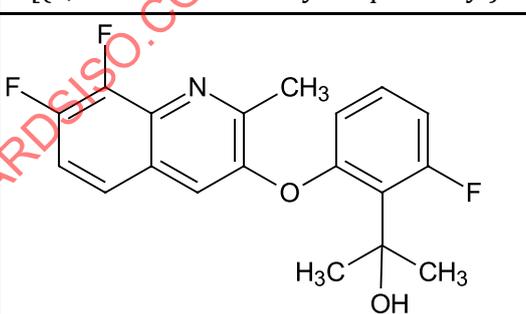
Common name	inpyrfluxam
IUPAC PIN	3-(difluoromethyl)-1-methyl- <i>N</i> -[(3 <i>R</i>)-1,1,3-trimethyl-2,3-dihydro-1 <i>H</i> -inden-4-yl]-1 <i>H</i> -pyrazole-4-carboxamide
IUPAC name	3-(difluoromethyl)- <i>N</i> -[(<i>R</i>)-2,3-dihydro-1,1,3-trimethyl-1 <i>H</i> -inden-4-yl]-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
CAS name	3-(difluoromethyl)- <i>N</i> -[(3 <i>R</i>)-2,3-dihydro-1,1,3-trimethyl-1 <i>H</i> -inden-4-yl]-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
Structure	
CAS Reg. No.	1352994-67-2
Formula	C ₁₈ H ₂₁ F ₂ N ₃ O
Use	fungicide
InChIKey	YTClYOXHHQLDEI-SNVBAGLBSA-N
InChI	InChI=1S/C18H21F2N3O/c1-10-8-18(2,3)12-6-5-7-13(14(10)12)21-17(24)11-9-23(4)22-15(11)16(19)20/h5-7,9-10,16H,8H2,1-4H3,(H,21,24)/t10-/m1/s1

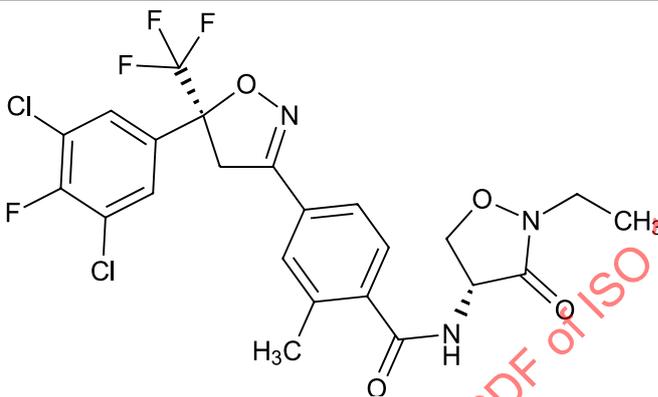
Common name	iofensulfuron
IUPAC PIN	2-iodo- <i>N</i> -[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbonyl]benzene-1-sulfonamide
IUPAC name	1-[(2-iodophenyl)sulfonyl]-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea
CAS name	2-iodo- <i>N</i> -[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]benzenesulfonamide

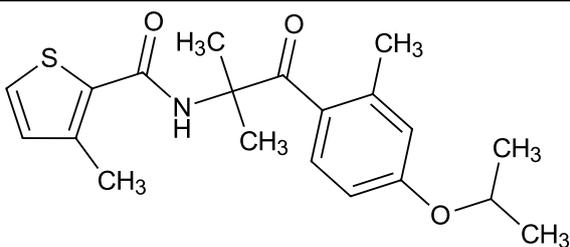
Common name	iofensulfuron
Structure	
CAS Reg. No.	1144097-22-2
Formula	C ₁₂ H ₁₂ IN ₅ O ₄ S
Use	herbicide
InChIKey	VQHIIQJPQOLZGF-UHFFFAOYSA-N
InChI	InChI=1S/C12H12IN5O4S/c1-7-14-10(17-12(15-7)22-2)16-11(19)18-23(20,21)9-6-4-3-5-8(9)13/h3-6H,1-2H3,(H2,14,15,16,17,18,19)
Notes	It should be stated which salt is present, for example iofensulfuron-sodium [1144097-30-2].

Common name	ipfencarbazone
IUPAC PIN	1-(2,4-dichlorophenyl)-N-(2,4-difluorophenyl)-5-oxo-N-(propan-2-yl)-1,5-dihydro-4H-1,2,4-triazole-4-carboxamide
IUPAC name	1-(2,4-dichlorophenyl)-2',4'-difluoro-1,5-dihydro-N-isopropyl-5-oxo-4H-1,2,4-triazole-4-carboxanilide
CAS name	1-(2,4-dichlorophenyl)-N-(2,4-difluorophenyl)-1,5-dihydro-N-(1-methylethyl)-5-oxo-4H-1,2,4-triazole-4-carboxamide
Structure	
CAS Reg. No.	212201-70-2
Formula	C ₁₈ H ₁₄ Cl ₂ F ₂ N ₄ O ₂
Use	herbicide
InChIKey	DHYXNIKICPUXJI-UHFFFAOYSA-N
InChI	InChI=1S/C18H14Cl2F2N4O2/c1-10(2)25(16-6-4-12(21)8-14(16)22)17(27)24-9-23-26(18(24)28)15-5-3-11(19)7-13(15)20/h3-10H,1-2H3

Common name	ipfentrifluconazole
IUPAC PIN	<i>rac</i> -(2 <i>R</i>)-2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-3-methyl-1-(1 <i>H</i> -1,2,4-triazol-1-yl)butan-2-ol
IUPAC name	(2 <i>RS</i>)-2-[4-(4-chlorophenoxy)- α,α,α -trifluoro- <i>o</i> -tolyl]-3-methyl-1-(1 <i>H</i> -1,2,4-triazol-1-yl)butan-2-ol
CAS name	α -[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]- α -(1-methylethyl)-1 <i>H</i> -1,2,4-triazole-1-ethanol
Structure	
CAS Reg. No.	1417782-08-1
Formula	C ₂₀ H ₁₉ ClF ₃ N ₃ O ₂
Use	fungicide
InChIKey	SIIJFOXEOHODQ-UHFFFAOYSA-N
InChI	InChI=1S/C20H19ClF3N3O2/c1-13(2)19(28,10-27-12-25-11-26-27)17-8-7-16(9-18(17)20(22,23)24)29-15-5-3-14(21)4-6-15/h3-9,11-13,28H,10H2,1-2H3

Common name	ipflufenquin
IUPAC PIN	2-{2-[(7,8-difluoro-2-methylquinolin-3-yl)oxy]-6-fluorophenyl}propan-2-ol
IUPAC name	2-{2-[(7,8-difluoro-2-methyl-3-quinolyl)oxy]-6-fluorophenyl}propan-2-ol
CAS name	2-[(7,8-difluoro-2-methyl-3-quinolyl)oxy]-6-fluoro- α,α -dimethylbenzenemethanol
Structure	
CAS Reg. No.	1314008-27-9
Formula	C ₁₉ H ₁₆ F ₃ NO ₂
Use	fungicide
InChIKey	DSXOWZNGWXWMX-UHFFFAOYSA-N
InChI	InChI=1S/C19H16F3NO2/c1-10-15(9-11-7-8-13(21)17(22)18(11)23-10)25-14-6-4-5-12(20)16(14)19(2,3)24/h4-9,24H,1-3H3

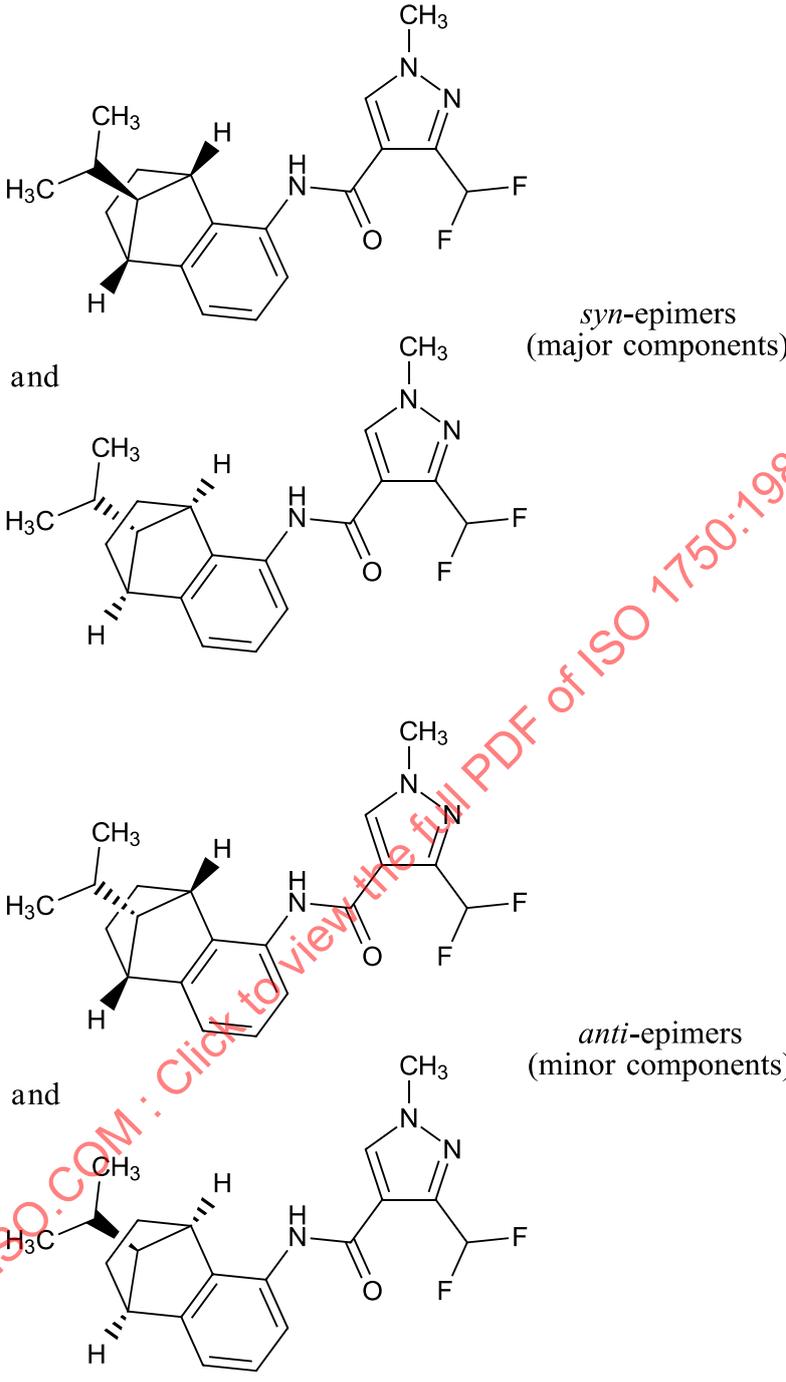
Common name	isocycloseram
IUPAC PIN	mixture of 80–100% 4-[(5 <i>S</i>)-5-(3,5-dichloro-4-fluorophenyl)-5-(trifluoromethyl)-4,5-dihydro-1,2-oxazol-3-yl]- <i>N</i> -[(4 <i>R</i>)-2-ethyl-3-oxo-1,2-oxazolidin-4-yl]-2-methylbenzamide and 20–0% of the (5 <i>R</i> ,4 <i>R</i>), (5 <i>R</i> ,4 <i>S</i>) and (5 <i>S</i> ,4 <i>S</i>) isomers
IUPAC name	mixture of 80–100% 4-[(5 <i>S</i>)-5-(3,5-dichloro-4-fluorophenyl)-4,5-dihydro-5-(trifluoromethyl)isoxazol-3-yl]- <i>N</i> -[(4 <i>R</i>)-2-ethyl-3-oxoisoxazolidin-4-yl]- <i>o</i> -toluamide and 20–0% of the (5 <i>R</i> ,4 <i>R</i>), (5 <i>R</i> ,4 <i>S</i>) and (5 <i>S</i> ,4 <i>S</i>) isomers
CAS name	4-[5-(3,5-dichloro-4-fluorophenyl)-4,5-dihydro-5-(trifluoromethyl)-3-isoxazolyl]- <i>N</i> -(2-ethyl-3-oxo-4-isoxazolidinyl)-2-methylbenzamide
Structure	
CAS Reg. No.	2061933-85-3
Formula	C ₂₃ H ₁₉ Cl ₂ F ₄ N ₃ O ₄
Use	insecticide
InChIKey	WLSQDEYDCAGPIR-GCJJKJVERSA-N (major component)
InChI	InChI=1S/C23H19Cl2F4N3O4/c1-3-32-21(34)18(10-35-32)30-20(33)14-5-4-12(6-11(14)2)17-9-22(36-31-17,23(27,28)29)13-7-15(24)19(26)16(25)8-13/h4-8,18H,3,9-10H2,1-2H3,(H,30,33)/t18-,22+/m1/s1 (major component)

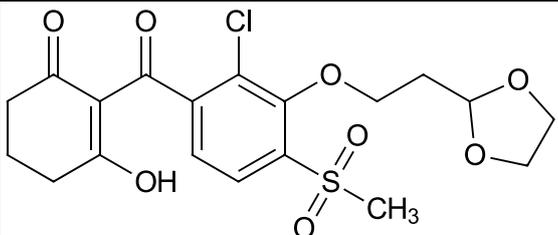
Common name	isofetamid
IUPAC PIN	3-methyl- <i>N</i> -{2-methyl-1-[2-methyl-4-(propan-2-yloxy)phenyl]-1-oxopropan-2-yl}thiophene-2-carboxamide
IUPAC name	<i>N</i> -[1,1-dimethyl-2-(4-isopropoxy- <i>o</i> -tolyl)-2-oxoethyl]-3-methylthiophene-2-carboxamide
CAS name	<i>N</i> -[1,1-dimethyl-2-[2-methyl-4-(1-methylethoxy)phenyl]-2-oxoethyl]-3-methyl-2-thiophenecarboxamide
Structure	
CAS Reg. No.	875915-78-9
Formula	C ₂₀ H ₂₅ NO ₃ S

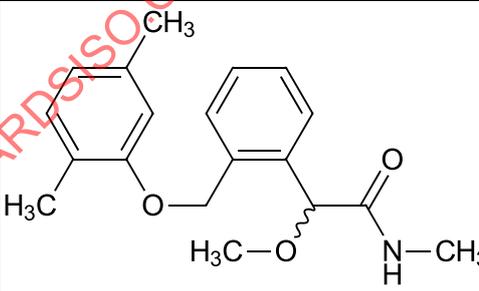
Common name	isofetamid
Use	fungicide
InChIKey	WMKZDPFZIZQROT-UHFFFAOYSA-N
InChI	InChI=1S/C20H25NO3S/c1-12(2)24-15-7-8-16(14(4)11-15)18(22)20(5,6)21-19(23)17-13(3)9-10-25-17/h7-12H,1-6H3,(H,21,23)

Common name	isoflucypram
IUPAC PIN	<i>N</i> -{[5-chloro-2-(propan-2-yl)phenyl]methyl}- <i>N</i> -cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
IUPAC name	<i>N</i> -(5-chloro-2-isopropylbenzyl)- <i>N</i> -cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
CAS name	<i>N</i> -[[5-chloro-2-(1-methylethyl)phenyl]methyl]- <i>N</i> -cyclopropyl-3-(difluoromethyl)-5-fluoro-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
Structure	
CAS Reg. No.	1255734-28-1
Formula	C ₁₉ H ₂₁ ClF ₃ N ₃ O
Use	fungicide
InChIKey	JEFUQUGZXLEHLD-UHFFFAOYSA-N
InChI	InChI=1S/C19H21ClF3N3O/c1-10(2)14-7-4-12(20)8-11(14)9-26(13-5-6-13)19(27)15-16(17(21)22)24-25(3)18(15)23/h4,7-8,10,13,17H,5-6,9H2,1-3H3

Common name	isopyrazam
IUPAC PIN	mixture of 70–100% <i>rac</i> -3-(difluoromethyl)-1-methyl- <i>N</i> -[(1 <i>R</i> ,4 <i>S</i> ,9 <i>R</i>)-9-(propan-2-yl)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-1 <i>H</i> -pyrazole-4-carboxamide and 30–0% <i>rac</i> -3-(difluoromethyl)-1-methyl- <i>N</i> -[(1 <i>R</i> ,4 <i>S</i> ,9 <i>S</i>)-9-(propan-2-yl)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-1 <i>H</i> -pyrazole-4-carboxamide
IUPAC name	mixture of 70–100% 2 <i>syn</i> -isomers 3-(difluoromethyl)-1-methyl- <i>N</i> -[(1 <i>R</i> ,4 <i>S</i> ,9 <i>R</i>)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]-1 <i>H</i> -pyrazole-4-carboxamide and 30–0% 2 <i>anti</i> -isomers 3-(difluoromethyl)-1-methyl- <i>N</i> -[(1 <i>R</i> ,4 <i>S</i> ,9 <i>S</i>)-1,2,3,4-tetrahydro-9-isopropyl-1,4-methanonaphthalen-5-yl]-1 <i>H</i> -pyrazole-4-carboxamide
CAS name	3-(difluoromethyl)-1-methyl- <i>N</i> -[1,2,3,4-tetrahydro-9-(1-methylethyl)-1,4-methanonaphthalen-5-yl]-1 <i>H</i> -pyrazole-4-carboxamide

Common name	isopyrazam
Structure	 <p style="text-align: center;"><i>syn</i>-epimers (major components)</p> <p style="text-align: center;">and</p> <p style="text-align: center;"><i>anti</i>-epimers (minor components)</p>
CAS Reg. No.	881685-58-1
Formula	C ₂₀ H ₂₃ F ₂ N ₃ O
Use	fungicide
InChIKey	XTDZGXBTXBEZDN-UHFFFAOYSA-N
InChI	InChI=1S/C20H23F2N3O/c1-10(2)16-12-7-8-13(16)17-11(12)5-4-6-15(17)23-20(26)14-9-25(3)24-18(14)19(21)22/h4-6,9-10,12-13,16,19H,7-8H2,1-3H3,(H,23,26)

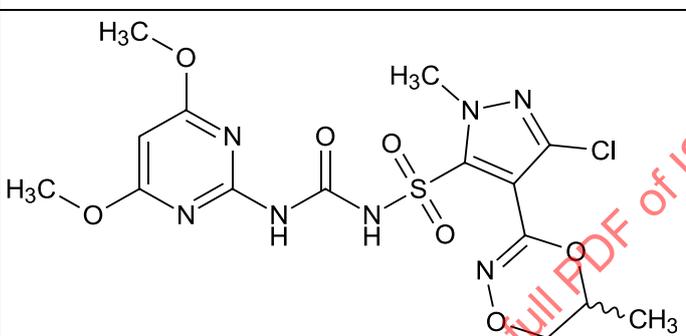
Common name	lancotrione
IUPAC PIN	2-{2-chloro-3-[2-(1,3-dioxolan-2-yl)ethoxy]-4-(methanesulfonyl)benzoyl}-3-hydroxycyclohex-2-en-1-one
IUPAC name	2-{2-chloro-3-[2-(1,3-dioxolan-2-yl)ethoxy]-4-mesylbenzoyl}-3-hydroxycyclohex-2-en-1-one
CAS name	2-[2-chloro-3-[2-(1,3-dioxolan-2-yl)ethoxy]-4-(methylsulfonyl)benzoyl]-3-hydroxy-2-cyclohexen-1-one
Structure	
CAS Reg. No.	1486617-21-3
Formula	C ₁₉ H ₂₁ ClO ₈ S
Use	herbicide
InChIKey	YYRPFCKCSGLKJS-UHFFFAOYSA-N
InChI	InChI=1S/C19H21ClO8S/c1-29(24,25)14-6-5-11(18(23)16-12(21)3-2-4-13(16)22)17(20)19(14)28-8-7-15-26-9-10-27-15/h5-6,15,21H,2-4,7-10H2,1H3
Notes	It should be stated which salt is present, for example lancotrione-sodium [1486617-22-4].

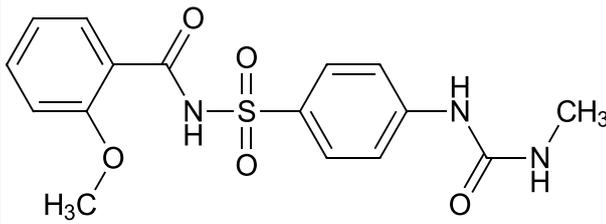
Common name	mandestrobin
IUPAC PIN	<i>rac</i> -(2 <i>R</i>)-2-{2-[(2,5-dimethylphenoxy)methyl]phenyl}-2-methoxy- <i>N</i> -methylacetamide
IUPAC name	(<i>RS</i>)-2-methoxy- <i>N</i> -methyl-2-[α-(2,5-xilyloxy)- <i>o</i> -tolyl]acetamide
CAS name	2-[(2,5-dimethylphenoxy)methyl]-α-methoxy- <i>N</i> -methylbenzeneacetamide
Structure	
CAS Reg. No.	173662-97-0
Formula	C ₁₉ H ₂₃ NO ₃
Use	fungicide
InChIKey	PDPWCKVFIFAQIQ-UHFFFAOYSA-N
InChI	InChI=1S/C19H23NO3/c1-13-9-10-14(2)17(11-13)23-12-15-7-5-6-8-16(15)18(22-4)19(21)20-3/h5-11,18H,12H2,1-4H3,(H,20,21)

Common name	mefentrifluconazole
IUPAC PIN	<i>rac</i> -(2 <i>R</i>)-2-[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]-1-(1 <i>H</i> -1,2,4-triazol-1-yl)propan-2-ol
IUPAC name	(2 <i>RS</i>)-2-[4-(4-chlorophenoxy)- α,α,α -trifluoro- <i>o</i> -tolyl]-1-(1 <i>H</i> -1,2,4-triazol-1-yl)propan-2-ol
CAS name	α -[4-(4-chlorophenoxy)-2-(trifluoromethyl)phenyl]- α -methyl-1 <i>H</i> -1,2,4-triazole-1-ethanol
Structure	
CAS Reg. No.	1417782-03-6
Formula	C ₁₈ H ₁₅ ClF ₃ N ₃ O ₂
Use	fungicide
InChIKey	JERZEQUMJNCPRJ-UHFFFAOYSA-N
InChI	InChI=1S/C18H15ClF3N3O2/c1-17(26,9-25-11-23-10-24-25)15-7-6-14(8-16(15)18(20,21)22)27-13-4-2-12(19)3-5-13/h2-8,10-11,26H,9H2,1H3

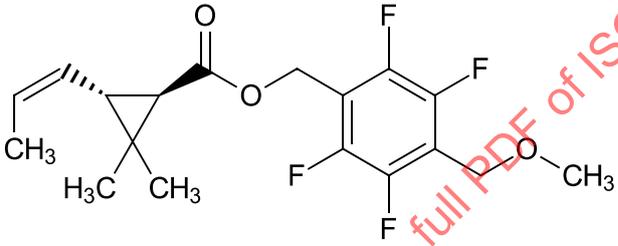
Common name	meperfluthrin
IUPAC PIN	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl (1 <i>R</i> ,3 <i>S</i>)-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane-1-carboxylate
IUPAC name	2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1 <i>R</i> ,3 <i>S</i>)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate Rothamsted-style stereodescriptors: 2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1 <i>R</i>)- <i>trans</i> -3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate
CAS name	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl (1 <i>R</i> ,3 <i>S</i>)-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate
Structure	
CAS Reg. No.	915288-13-0
Formula	C ₁₇ H ₁₆ Cl ₂ F ₄ O ₃
Use	insecticide

Common name	meperfluthrin
InChIKey	MWFQAAWRPDRKDG-KOLCDFICSA-N
InChI	InChI=1S/C17H16Cl2F4O3/c1-17(2)9(4-10(18)19)11(17)16(24)26-6-8-14(22)12(20)7(5-25-3)13(21)15(8)23/h4,9,11H,5-6H2,1-3H3/t9-,11+/m1/s1

Common name	metazosulfuron
IUPAC PIN	<i>rac</i> -3-chloro- <i>N</i> -[(4,6-dimethoxypyrimidin-2-yl)carbamoyl]-1-methyl-4-[(5 <i>R</i>)-5-methyl-5,6-dihydro-1,4,2-dioxazin-3-yl]-1 <i>H</i> -pyrazole-5-sulfonamide
IUPAC name	1-({[3-chloro-4-[(5 <i>R</i>)-5,6-dihydro-5-methyl-1,4,2-dioxazin-3-yl]-1-methyl-1 <i>H</i> -pyrazol-5-yl]sulfonyl}-3-(4,6-dimethoxypyrimidin-2-yl)urea
CAS name	3-chloro-4-(5,6-dihydro-5-methyl-1,4,2-dioxazin-3-yl)- <i>N</i> -[[[4,6-dimethoxy-2-pyrimidinyl]amino]carbonyl]-1-methyl-1 <i>H</i> -pyrazole-5-sulfonamide
Structure	
CAS Reg. No.	868680-84-6
Formula	C ₁₅ H ₁₈ ClN ₇ O ₇ S
Use	herbicide
InChIKey	IXWKBUKANTXHJH-UHFFFAOYSA-N
InChI	InChI=1S/C15H18ClN7O7S/c1-7-6-29-21-12(30-7)10-11(16)20-23(2)13(10)31(25,26)22-15(24)19-14-17-8(27-3)5-9(18-14)28-4/h5,7H,6H2,1-4H3,(H2,17,18,19,22,24)

Common name	metcamifen
IUPAC PIN	2-methoxy- <i>N</i> -{4-[(methylcarbamoyl)amino](benzene-1-sulfonyl)}benzamide
IUPAC name	<i>N</i> -{[4-(3-methylureido)phenyl]sulfonyl}- <i>o</i> -anisamide
CAS name	2-methoxy- <i>N</i> -[[4-[[[(methylamino)carbonyl]amino]phenyl]sulfonyl]benzamide
Structure	
CAS Reg. No.	129531-12-0
Formula	C ₁₆ H ₁₇ N ₃ O ₅ S
Use	safener

Common name	metcamifen
InChIKey	JCHMGYRXQDASJE-UHFFFAOYSA-N
InChI	InChI=1S/C16H17N3O5S/c1-17-16(21)18-11-7-9-12(10-8-11)25(22,23)19-15(20)13-5-3-4-6-14(13)24-2/h3-10H,1-2H3,(H,19,20)(H2,17,18,21)

Common name	epsilon-metofluthrin
IUPAC PIN	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl (1 <i>R</i> ,3 <i>R</i>)-2,2-dimethyl-3-[(1 <i>Z</i>)-prop-1-en-1-yl]cyclopropane-1-carboxylate
IUPAC name	2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1 <i>R</i> ,3 <i>R</i>)-2,2-dimethyl-3-[(<i>Z</i>)-prop-1-enyl]cyclopropanecarboxylate Rothamsted-style stereodescriptors: 2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1 <i>R</i>)- <i>trans</i> -2,2-dimethyl-3-[(<i>Z</i>)-prop-1-enyl]cyclopropanecarboxylate
CAS name	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl (1 <i>R</i> ,3 <i>R</i>)-2,2-dimethyl-3-[(<i>Z</i>)-1-propen-1-yl]cyclopropanecarboxylate
Structure	
CAS Reg. No.	240494-71-7
Formula	C ₁₈ H ₂₀ F ₄ O ₃
Use	insecticide
InChIKey	KVIZNNVXXNFLMU-DUVUQDDDSA-N
InChI	InChI=1S/C18H20F4O3/c1-5-6-11-12(18(11,2)3)17(23)25-8-10-15(21)13(19)9(7-24-4)14(20)16(10)22/h5-6,11-12H,7-8H2,1-4H3/b6-5-/t11-,12+/m1/s1
Notes	The unresolved isomeric mixture has the common name metofluthrin [240494-70-6].

Common name	metyltetraprole
IUPAC PIN	1-[2-({[1-(4-chlorophenyl)-1 <i>H</i> -pyrazol-3-yl]oxy}methyl)-3-methylphenyl]-4-methyl-1,4-dihydro-5 <i>H</i> -tetrazol-5-one
IUPAC name	1-[2-({[1-(4-chlorophenyl)-1 <i>H</i> -pyrazol-3-yl]oxy}methyl)-3-methylphenyl]-1,4-dihydro-4-methyl-5 <i>H</i> -tetrazol-5-one
CAS name	1-[2-[[[1-(4-chlorophenyl)-1 <i>H</i> -pyrazol-3-yl]oxy]methyl]-3-methylphenyl]-1,4-dihydro-4-methyl-5 <i>H</i> -tetrazol-5-one

Common name	metyltetraprole
Structure	
CAS Reg. No.	1472649-01-6
Formula	C ₁₉ H ₁₇ ClN ₆ O ₂
Use	fungicide
InChIKey	XUQQRGKFXLAPNV-UHFFFAOYSA-N
InChI	InChI=1S/C19H17ClN6O2/c1-13-4-3-5-17(26-19(27)24(2)22-23-26)16(13)12-28-18-10-11-25(21-18)15-8-6-14(20)7-9-15/h3-11H,12H2,1,2H3

Common name	momfluorothrin
IUPAC PIN	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl (1E,3E)-3-[(1E)-2-cyanoprop-1-en-1-yl]-2,2-dimethylcyclopropane-1-carboxylate
IUPAC name	2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1RS,3RS;1RS,3SR)-3-[(EZ)-2-cyanoprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate
CAS name	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl 3-(2-cyano-1-propen-1-yl)-2,2-dimethylcyclopropanecarboxylate
Structure	
CAS Reg. No.	609346-29-4
Formula	C ₁₉ H ₁₉ F ₄ NO ₃
Use	insecticide
InChIKey	DPJITPZADZSLBP-UHFFFAOYSA-N
InChI	InChI=1S/C19H19F4NO3/c1-9(6-24)5-12-13(19(12,2)3)18(25)27-8-11-16(22)14(20)10(7-26-4)15(21)17(11)23/h5,12-13H,7-8H2,1-4H3
Notes	One single isomer has its own common name, epsilon-momfluorothrin [1065124-65-3].

Common name	epsilon-momfluorothrin
IUPAC PIN	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl (1R,3R)-3-[(1Z)-2-cyanoprop-1-en-1-yl]-2,2-dimethylcyclopropane-1-carboxylate

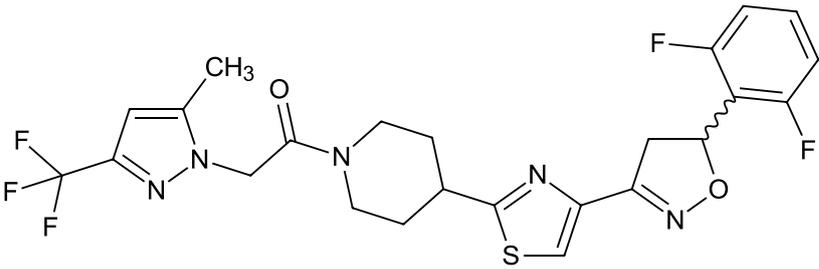
Common name	epsilon-momfluorothrin
IUPAC name	2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1 <i>R</i> ,3 <i>R</i>)-3-[(<i>Z</i>)-2-cyanoprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate Rothamsted-style stereodescriptors: 2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl (1 <i>R</i>)- <i>trans</i> -3-[(<i>Z</i>)-2-cyanoprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate
CAS name	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl (1 <i>R</i> ,3 <i>R</i>)-3-[(<i>Z</i>)-2-cyano-1-propen-1-yl]-2,2-dimethylcyclopropanecarboxylate
Structure	
CAS Reg. No.	1065124-65-3
Formula	C ₁₉ H ₁₉ F ₄ NO ₃
Use	insecticide
InChIKey	DPJITPZADZSLBP-DQXQJKBJS-A-N
InChI	InChI=1S/C19H19F4NO3/c1-9(6-24)5-12-13(19(12,2)3)18(25)27-8-11-16(22)14(20)10(7-26-4)15(21)17(11)23/h5,12-13H,7-8H2,1-4H3/b9-5-/t12-,13+/m1/s1
Notes	The unresolved isomeric mixture has the common name momfluorothrin [609346-29-4].

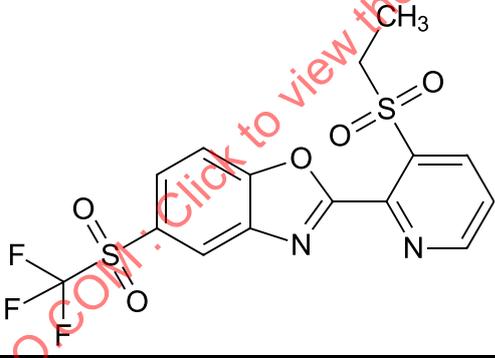
Common name	napropamide-M
IUPAC PIN	(2 <i>R</i>)- <i>N,N</i> -diethyl-2-(naphthalen-1-yloxy)propanamide
IUPAC name	(<i>R</i>)- <i>N,N</i> -diethyl-2-(1-naphthyloxy)propionamide
CAS name	(2 <i>R</i>)- <i>N,N</i> -diethyl-2-(1-naphthalenyloxy)propanamide
Structure	
CAS Reg. No.	41643-35-0
Formula	C ₁₇ H ₂₁ NO ₂
Use	herbicide
InChIKey	WXZVAROIGSFCFJ-CYBMUJFWSA-N
InChI	InChI=1S/C17H21NO2/c1-4-18(5-2)17(19)13(3)20-16-12-8-10-14-9-6-7-11-15(14)16/h6-13H,4-5H2,1-3H3/t13-/m1/s1

Common name	napropamide-M
Notes	The unresolved enantiomeric mixture has the common name napropamide [15299-99-7].

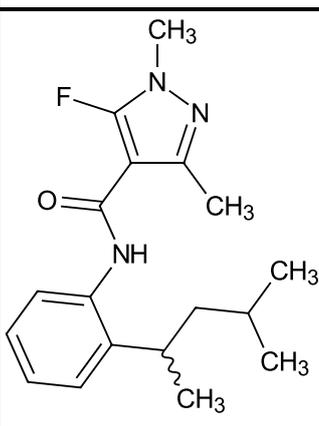
Common name	nicofluprole
IUPAC PIN	2-chloro- <i>N</i> -cyclopropyl-5-{1-[2,6-dichloro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)phenyl]-1 <i>H</i> -pyrazol-4-yl}- <i>N</i> -methylpyridine-3-carboxamide
IUPAC name	2-chloro- <i>N</i> -cyclopropyl-5-(1-{2,6-dichloro-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl}-1 <i>H</i> -pyrazol-4-yl)- <i>N</i> -methylnicotinamide
CAS name	2-chloro- <i>N</i> -cyclopropyl-5-[1-[2,6-dichloro-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-1 <i>H</i> -pyrazol-4-yl]- <i>N</i> -methyl-3-pyridinecarboxamide
Structure	
CAS Reg. No.	1771741-86-6
Formula	C ₂₂ H ₁₄ Cl ₃ F ₇ N ₄ O
Use	insecticide
InChIKey	RPBDWSJEUSGUGU-UHFFFAOYSA-N
InChI	InChI=1S/C22H14Cl3F7N4O/c1-35(13-2-3-13)19(37)14-4-10(7-33-18(14)25)11-8-34-36(9-11)17-15(23)5-12(6-16(17)24)20(26,21(27,28)29)22(30,31)32/h4-9,13H,2-3H2,1H3

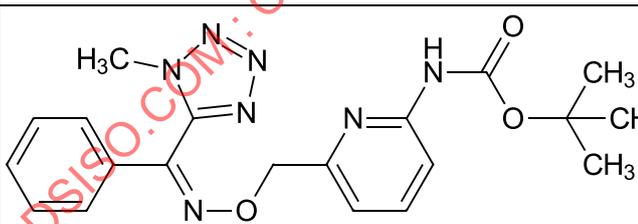
Common name	oxathiapiprolin
IUPAC PIN	<i>rac</i> -1-(4-{4-[(5 <i>R</i>)-5-(2,6-difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl]-1,3-thiazol-2-yl}piperidin-1-yl)-2-[5-methyl-3-(trifluoromethyl)-1 <i>H</i> -pyrazol-1-yl]ethan-1-one
IUPAC name	(5 <i>RS</i>)-5-(2,6-difluorophenyl)-4,5-dihydro-3-[2-(1-{[5-methyl-3-(trifluoromethyl)-1 <i>H</i> -pyrazol-1-yl]acetyl}-4-piperidyl)thiazol-4-yl]isoxazole
CAS name	1-[4-[4-[5-(2,6-difluorophenyl)-4,5-dihydro-3-isoxazolyl]-2-thiazolyl]-1-piperidinyl]-2-[5-methyl-3-(trifluoromethyl)-1 <i>H</i> -pyrazol-1-yl]ethanone

Common name	oxathiapiprolin
Structure	
CAS Reg. No.	1003318-67-9
Formula	C ₂₄ H ₂₂ F ₅ N ₅ O ₂ S
Use	fungicide
InChIKey	IAQLCKZJGNTRDO-UHFFFAOYSA-N
InChI	InChI=1S/C24H22F5N5O2S/c1-13-9-20(24(27,28)29)31-34(13)11-21(35)33-7-5-14(6-8-33)23-30-18(12-37-23)17-10-19(36-32-17)22-15(25)3-2-4-16(22)26/h2-4,9,12,14,19H,5-8,10-11H2,1H3

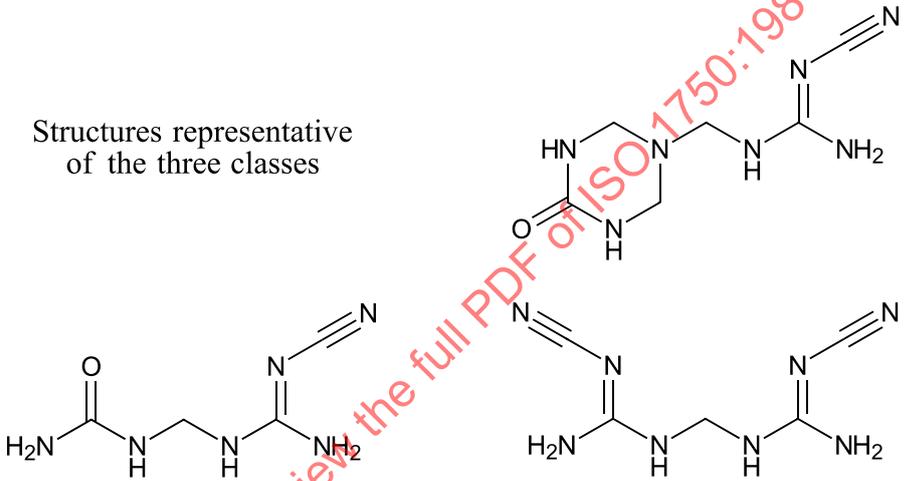
Common name	oxazosulfyl
IUPAC PIN	2-[3-(ethanesulfonyl)pyridin-2-yl]-5-[(trifluoromethanesulfonyl)-1,3-benzoxazole
IUPAC name	ethyl 2-{5-[(trifluoromethyl)sulfonyl]-1,3-benzoxazol-2-yl}-3-pyridyl sulfone
CAS name	2-[3-(ethylsulfonyl)-2-pyridinyl]-5-[(trifluoromethyl)sulfonyl]benzoxazole
Structure	
CAS Reg. No.	1616678-32-0
Formula	C ₁₅ H ₁₁ F ₃ N ₂ O ₅ S ₂
Use	insecticide
InChIKey	PTQBEFQWTBZMED-UHFFFAOYSA-N
InChI	InChI=1S/C15H11F3N2O5S2/c1-2-26(21,22)12-4-3-7-19-13(12)14-20-10-8-9(5-6-11(10)25-14)27(23,24)15(16,17)18/h3-8H,2H2,1H3

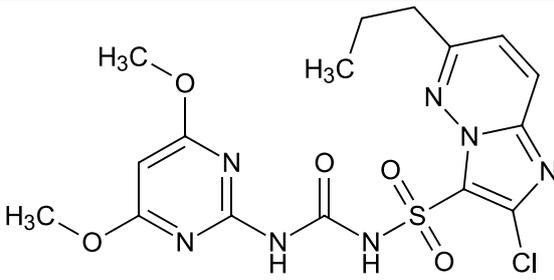
Common name	penflufen
IUPAC PIN	<i>rac</i> -5-fluoro-1,3-dimethyl- <i>N</i> -{2-[(2 <i>R</i>)-4-methylpentan-2-yl]phenyl}-1 <i>H</i> -pyrazole-4-carboxamide
IUPAC name	2'-[(<i>RS</i>)-1,3-dimethylbutyl]-5-fluoro-1,3-dimethyl-1 <i>H</i> -pyrazole-4-carboxanilide
CAS name	<i>N</i> -[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-1 <i>H</i> -pyrazole-4-carboxamide

Common name	penflufen
Structure	
CAS Reg. No.	494793-67-8
Formula	C ₁₈ H ₂₄ FN ₃ O
Use	fungicide
InChIKey	GOFJDXZZHFNFLV-UHFFFAOYSA-N
InChI	InChI=1S/C18H24FN3O/c1-11(2)10-12(3)14-8-6-7-9-15(14)20-18(23)16-13(4)21-22(5)17(16)19/h6-9,11-12H,10H2,1-5H3,(H,20,23)

Common name	picarbutrazox
IUPAC PIN	<i>tert</i> -butyl {6-[[{(Z)-[(1-methyl-1 <i>H</i> -tetrazol-5-yl)(phenyl)methylidene]amino}oxy)methyl]pyridin-2-yl}carbamate
IUPAC name	<i>tert</i> -butyl {6-[[{(Z)-[(1-methyl-1 <i>H</i> -tetrazol-5-yl)(phenyl)methylene]amino}oxy)methyl]-2-pyridyl}carbamate
CAS name	1,1-dimethylethyl <i>N</i> -[6-[[{(Z)-[(1-methyl-1 <i>H</i> -tetrazol-5-yl)(phenyl)methylene]amino}oxy)methyl]-2-pyridinyl]carbamate
Structure	
CAS Reg. No.	500207-04-5
Formula	C ₂₀ H ₂₃ N ₇ O ₃
Use	fungicide
InChIKey	URHWNXDZOULUHC-ULJHMMPZSA-N
InChI	InChI=1S/C20H23N7O3/c1-20(2,3)30-19(28)22-16-12-8-11-15(21-16)13-29-24-17(14-9-6-5-7-10-14)18-23-25-26-27(18)4/h5-12H,13H2,1-4H3,(H,21,22,28)/b24-17-

Common name	pronitridine
IUPAC PIN	Complex reaction product consisting of oligomeric reacted species of <i>N</i> '-cyanoguanidine. The molecules in the intended active ingredient can be grouped

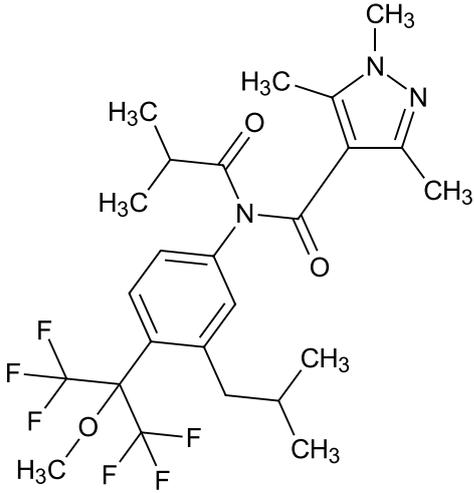
Common name	pronitridine
	into three distinct classes: 1,3,5-triazinan-4-one: <i>N</i> "-cyanoguanidine adducts, urea: <i>N</i> "-cyanoguanidine adducts and oligomeric <i>N</i> "-cyanoguanidine adducts. Any of these three classes could be present at up to 10%, with an overall active ingredient concentration not exceeding 19%.
IUPAC name	Complex reaction product consisting of oligomeric reacted species of <i>N</i> -cyanoguanidine. The molecules in the intended active ingredient can be grouped into three distinct classes: triazonyl: <i>N</i> -cyanoguanidine adducts, urea: <i>N</i> -cyanoguanidine adducts and oligomeric <i>N</i> -cyanoguanidine adducts. Any of these three classes could be present at up to 10%, with an overall active ingredient concentration not exceeding 19%.
CAS name	urea, reaction products with ammonium hydroxide, <i>N</i> -cyanoguanidine and formaldehyde
Structure	Structures representative of the three classes 
CAS Reg. No.	1373256-33-7
Use	nitrification inhibitor

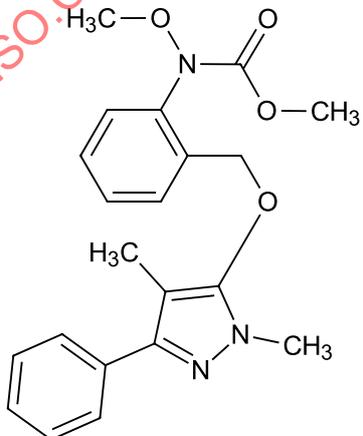
Common name	propyrisulfuron
IUPAC PIN	2-chloro- <i>N</i> -[(4,6-dimethoxypyrimidin-2-yl)carbamoyl]-6-propylimidazo[1,2- <i>b</i>]pyridazine-3-sulfonamide
IUPAC name	1-[(2-chloro-6-propylimidazo[1,2- <i>b</i>]pyridazin-3-yl)sulfonyl]-3-(4,6-dimethoxypyrimidin-2-yl)urea
CAS name	2-chloro- <i>N</i> -[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-6-propylimidazo[1,2- <i>b</i>]pyridazine-3-sulfonamide
Structure	
CAS Reg. No.	570415-88-2
Formula	C ₁₆ H ₁₈ ClN ₇ O ₅ S

Common name	propyrisulfuron
Use	herbicide
InChIKey	PYCINWWWERDNKE-UHFFFAOYSA-N
InChI	InChI=1S/C16H18ClN7O5S/c1-4-5-9-6-7-10-18-13(17)14(24(10)22-9)30(26,27)23-16(25)21-15-19-11(28-2)8-12(20-15)29-3/h6-8H,4-5H2,1-3H3,(H2,19,20,21,23,25)

Common name	pydiflumetofen
IUPAC PIN	3-(difluoromethyl)- <i>N</i> -methoxy-1-methyl- <i>N</i> -[(<i>2E</i>)-1-(2,4,6-trichlorophenyl)propan-2-yl]-1 <i>H</i> -pyrazole-4-carboxamide
IUPAC name	3-(difluoromethyl)- <i>N</i> -methoxy-1-methyl- <i>N</i> -[(<i>RS</i>)-1-methyl-2-(2,4,6-trichlorophenyl)ethyl]-1 <i>H</i> -pyrazole-4-carboxamide
CAS name	3-(difluoromethyl)- <i>N</i> -methoxy-1-methyl- <i>N</i> -[1-methyl-2-(2,4,6-trichlorophenyl)ethyl]-1 <i>H</i> -pyrazole-4-carboxamide
Structure	
CAS Reg. No.	1228284-64-7
Formula	C ₁₆ H ₁₆ Cl ₃ F ₂ N ₃ O ₂
Use	fungicide
InChIKey	DGOAXBPOVUPPEB-UHFFFAOYSA-N
InChI	InChI=1S/C16H16Cl3F2N3O2/c1-8(4-10-12(18)5-9(17)6-13(10)19)24(26-3)16(25)11-7-23(2)22-14(11)15(20)21/h5-8,15H,4H2,1-3H3

Common name	pyflubumide
IUPAC PIN	<i>N</i> -[4-(1,1,1,3,3,3-hexafluoro-2-methoxypropan-2-yl)-3-(2-methylpropyl)phenyl]-1,3,5-trimethyl- <i>N</i> -(2-methylpropanoyl)-1 <i>H</i> -pyrazole-4-carboxamide
IUPAC name	3'-isobutyl- <i>N</i> -isobutyryl-1,3,5-trimethyl-4'-[2,2,2-trifluoro-1-methoxy-1-(trifluoromethyl)ethyl]-1 <i>H</i> -pyrazole-4-carboxanilide
CAS name	1,3,5-trimethyl- <i>N</i> -(2-methyl-1-oxopropyl)- <i>N</i> -[3-(2-methylpropyl)-4-[2,2,2-trifluoro-1-methoxy-1-(trifluoromethyl)ethyl]phenyl]-1 <i>H</i> -pyrazole-4-carboxamide

Common name	pyflubumide
Structure	 <p>The structure shows a central benzene ring substituted with a 1,1,1-trifluoroethyl group, a 2-methylpropyl group, and a methoxy group. This benzene ring is connected via a methylene bridge to a pyrazole ring. The pyrazole ring has a methyl group at the 4-position and is substituted at the 5-position with a carbonyl group. This carbonyl group is further substituted with a methyl group and a 2,2,4-trimethylbutanamide moiety.</p>
CAS Reg. No.	926914-55-8
Formula	C ₂₅ H ₃₁ F ₆ N ₃ O ₃
Use	acaricide
InChIKey	DZVWKNFPXMUIFA-UHFFFAOYSA-N
InChI	InChI=1S/C25H31F6N3O3/c1-13(2)11-17-12-18(9-10-19(17)23(37-8,24(26,27)28)25(29,30)31)34(21(35)14(3)4)22(36)20-15(5)32-33(7)16(20)6/h9-10,12-14H,11H2,1-8H3

Common name	pyrametostrobin
IUPAC PIN	methyl (2-[[[(1,4-dimethyl-3-phenyl-1H-pyrazol-5-yl)oxy]methyl]phenyl]methoxycarbamate
IUPAC name	methyl 2-[[[(1,4-dimethyl-3-phenyl-1H-pyrazol-5-yl)oxy]methyl]-N-methoxycarbamate
CAS name	methyl N-[2-[[[(1,4-dimethyl-3-phenyl-1H-pyrazol-5-yl)oxy]methyl]phenyl]-N-methoxycarbamate
Structure	 <p>The structure shows a central benzene ring substituted with a methoxycarbonyl group and a methylene bridge. This methylene bridge is connected to a pyrazole ring. The pyrazole ring has a methyl group at the 4-position and is substituted at the 5-position with a phenyl group.</p>
CAS Reg. No.	915410-70-7
Formula	C ₂₁ H ₂₃ N ₃ O ₄
Use	fungicide

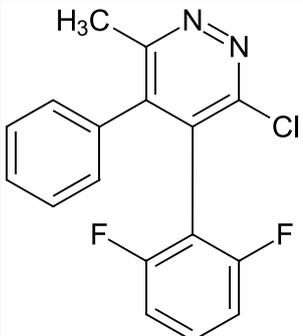
Common name	pyrametostrobin
InChIKey	DWTVBEZBWMXXIY-UHFFFAOYSA-N
InChI	InChI=1S/C21H23N3O4/c1-15-19(16-10-6-5-7-11-16)22-23(2)20(15)28-14-17-12-8-9-13-18(17)24(27-4)21(25)26-3/h5-13H,14H2,1-4H3

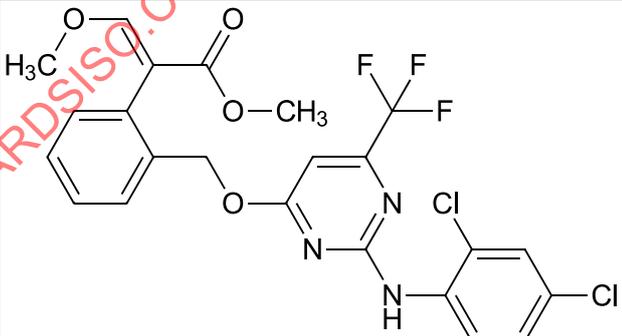
Common name	pyraoxystrobin
IUPAC PIN	methyl (2 <i>E</i>)-2-[2-({[3-(4-chlorophenyl)-1-methyl-1 <i>H</i> -pyrazol-5-yl]oxy}methyl)phenyl]-3-methoxyprop-2-enoate
IUPAC name	methyl (2 <i>E</i>)-2-(α -{[3-(4-chlorophenyl)-1-methyl-1 <i>H</i> -pyrazol-5-yl]oxy}- <i>o</i> -tolyl)-3-methoxyacrylate
CAS name	methyl (α <i>E</i>)-2-[[[3-(4-chlorophenyl)-1-methyl-1 <i>H</i> -pyrazol-5-yl]oxy]methyl]- α -(methoxymethylene)benzeneacetate
Structure	
CAS Reg. No.	862588-11-2
Formula	C ₂₂ H ₂₁ ClN ₂ O ₄
Use	fungicide
InChIKey	URXNNPCNKVAORA-XMHGGMESA-N
InChI	InChI=1S/C22H21ClN2O4/c1-25-21(12-20(24-25)15-8-10-17(23)11-9-15)29-13-16-6-4-5-7-18(16)19(14-27-2)22(26)28-3/h4-12,14H,13H2,1-3H3/b19-14+

Common name	pyrapropoyne
IUPAC PIN	<i>N</i> -{[(2 <i>Z</i>)-2-[3-chloro-5-(cyclopropylethynyl)pyridin-2-yl]-2-[(propan-2-yloxy)imino]ethyl]-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
IUPAC name	(<i>Z</i>)- <i>N</i> -{2-[3-chloro-5-(cyclopropylethynyl)-2-pyridyl]-2-(isopropoxyimino)ethyl}-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
CAS name	<i>N</i> -{[(2 <i>Z</i>)-2-[3-chloro-5-(2-cyclopropylethynyl)-2-pyridinyl]-2-[(1-methylethoxy)imino]ethyl]-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide

Common name	pyrapropoyne
Structure	
CAS Reg. No.	1803108-03-3
Formula	C ₂₁ H ₂₂ ClF ₂ N ₅ O ₂
Use	fungicide
InChIKey	HIFFCWPIDUPFTA-QRQIAZFYSA-N
InChI	InChI=1S/C21H22ClF2N5O2/c1-12(2)31-28-17(10-26-21(30)15-11-29(3)27-18(15)20(23)24)19-16(22)8-14(9-25-19)7-6-13-4-5-13/h8-9,11-13,20H,4-5,10H2,1-3H3,(H,26,30)/b28-17

Common name	pyraziflumid
IUPAC PIN	<i>N</i> -(3',4'-difluoro[1,1'-biphenyl]-2-yl)-3-(trifluoromethyl)pyrazine-2-carboxamide
IUPAC name	2'-(3,4-difluorophenyl)-3-(trifluoromethyl)pyrazine-2-carboxanilide
CAS name	<i>N</i> -(3',4'-difluoro[1,1'-biphenyl]-2-yl)-3-(trifluoromethyl)-2-pyrazinecarboxamide
Structure	
CAS Reg. No.	942515-63-1
Formula	C ₁₈ H ₁₀ F ₅ N ₃ O
Use	fungicide
InChIKey	KKEJMLAPZVXPOF-UHFFFAOYSA-N
InChI	InChI=1S/C18H10F5N3O/c19-12-6-5-10(9-13(12)20)11-3-1-2-4-14(11)26-17(27)15-16(18(21,22)23)25-8-7-24-15/h1-9H,(H,26,27)

Common name	pyridachlometyl
IUPAC PIN	3-chloro-4-(2,6-difluorophenyl)-6-methyl-5-phenylpyridazine
IUPAC name	3-chloro-4-(2,6-difluorophenyl)-6-methyl-5-phenylpyridazine
CAS name	3-chloro-4-(2,6-difluorophenyl)-6-methyl-5-phenylpyridazine
Structure	
CAS Reg. No.	1358061-55-8
Formula	C ₁₇ H ₁₁ ClF ₂ N ₂
Use	fungicide
InChIKey	ZNBJSAAROMDHOX-UHFFFAOYSA-N
InChI	InChI=1S/C17H11ClF2N2/c1-10-14(11-6-3-2-4-7-11)16(17(18)22-21-10)15-12(19)8-5-9-13(15)20/h2-9H,1H3

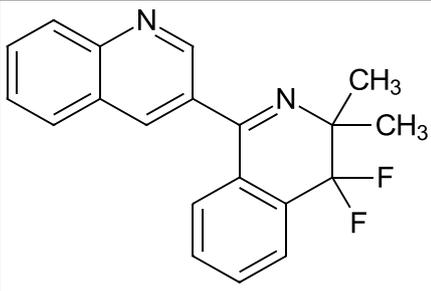
Common name	pyriminostrobin
IUPAC PIN	methyl (2E)-2-[2-([2-(2,4-dichloroanilino)-6-(trifluoromethyl)pyrimidin-4-yl]oxy)methyl]phenyl]-3-methoxyprop-2-enoate
IUPAC name	methyl (E)-2-(α-{[2-(2,4-dichloroanilino)-6-(trifluoromethyl)pyrimidin-4-yl]oxy}-o-tolyl)-3-methoxyacrylate
CAS name	methyl (αE)-2-[[[2-[(2,4-dichlorophenyl)amino]-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-α-(methoxymethylene)benzeneacetate
Structure	
CAS Reg. No.	1257598-43-8
Formula	C ₂₃ H ₁₈ Cl ₂ F ₃ N ₃ O ₄
Use	acaricide
InChIKey	YYXSCUSVVALMNW-FOWTUZBSSA-N

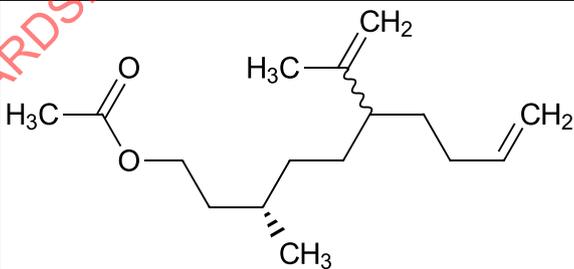
Common name	pyriminostrobin
InChI	InChI=1S/C23H18Cl2F3N3O4/c1-33-12-16(21(32)34-2)15-6-4-3-5-13(15)11-35-20-10-19(23(26,27)28)30-22(31-20)29-18-8-7-14(24)9-17(18)25/h3-10,12H,11H2,1-2H3,(H,29,30,31)/b16-12+

Common name	pyriofenone
IUPAC PIN	(5-chloro-2-methoxy-4-methylpyridin-3-yl)(2,3,4-trimethoxy-6-methylphenyl)methanone
IUPAC name	5-chloro-2-methoxy-4-methyl-3-pyridyl 4,5,6-trimethoxy- <i>o</i> -tolyl ketone
CAS name	(5-chloro-2-methoxy-4-methyl-3-pyridinyl)(2,3,4-trimethoxy-6-methylphenyl)methanone
Structure	
CAS Reg. No.	688046-61-9
Formula	C ₁₈ H ₂₀ ClNO ₅
Use	fungicide
InChIKey	NMVCBWZLCXANER-UHFFFAOYSA-N
InChI	InChI=1S/C18H20ClNO5/c1-9-7-12(22-3)16(23-4)17(24-5)13(9)15(21)14-10(2)11(19)8-20-18(14)25-6/h7-8H,1-6H3

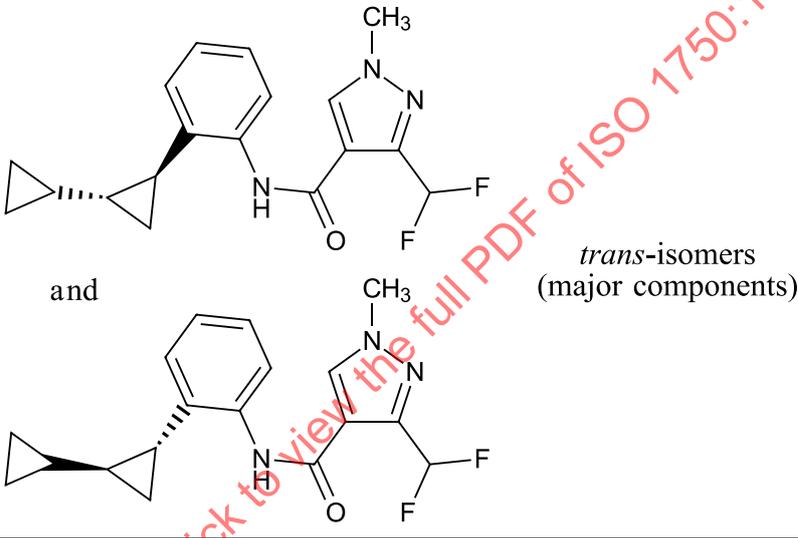
Common name	pyrisoxazole
IUPAC PIN	3-[(3 <i>R</i> ,5 <i>E</i>)-5-(4-chlorophenyl)-2,3-dimethyl-1,2-oxazolidin-3-yl]pyridine
IUPAC name	3-[(3 <i>R</i> ,5 <i>RS</i>)-5-(4-chlorophenyl)-2,3-dimethylisoxazolidin-3-yl]pyridine
CAS name	3-[(3 <i>R</i>)-5-(4-chlorophenyl)-2,3-dimethyl-3-isoxazolidinyl]pyridine
Structure	
CAS Reg. No.	847749-37-5
Formula	C ₁₆ H ₁₇ ClN ₂ O
Use	fungicide
InChIKey	DHTJFQWHCVTNRV-OEMAIJKSA-N

Common name	pyrisoxazole
InChI	InChI=1S/C16H17ClN2O/c1-16(13-4-3-9-18-11-13)10-15(20-19(16)2)12-5-7-14(17)8-6-12/h3-9,11,15H,10H2,1-2H3/t15?,16-/m1/s1

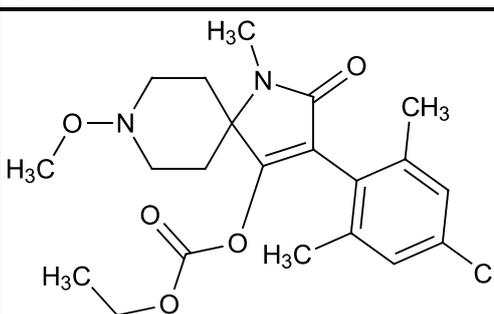
Common name	quinofumelin
IUPAC PIN	3-(4,4-difluoro-3,3-dimethyl-3,4-dihydroisoquinolin-1-yl)quinoline
IUPAC name	3-(4,4-difluoro-3,4-dihydro-3,3-dimethyl-1-isoquinolyl)quinoline
CAS name	3-(4,4-difluoro-3,4-dihydro-3,3-dimethyl-1-isoquinolinyl)quinoline
Structure	
CAS Reg. No.	861647-84-9
Formula	C ₂₀ H ₁₆ F ₂ N ₂
Use	fungicide
InChIKey	SWTPIYGGSMJRTB-UHFFFAOYSA-N
InChI	InChI=1S/C20H16F2N2/c1-19(2)20(21,22)16-9-5-4-8-15(16)18(24-19)14-11-13-7-3-6-10-17(13)23-12-14/h3-12H,1-2H3

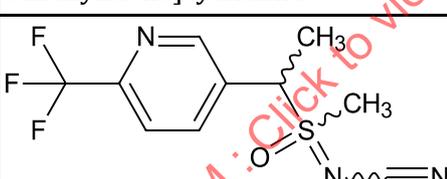
Common name	rescalure
IUPAC PIN	mixture of 55–45% (3 <i>S</i> ,6 <i>R</i>)-3-methyl-6-(prop-1-en-2-yl)dec-9-en-1-yl acetate and 45–55% (3 <i>S</i> ,6 <i>S</i>)-3-methyl-6-(prop-1-en-2-yl)dec-9-en-1-yl acetate
IUPAC name	mixture of 55–45% (3 <i>S</i> ,6 <i>R</i>)-6-isopropenyl-3-methyldec-9-enyl acetate and 45–55% (3 <i>S</i> ,6 <i>S</i>)-6-isopropenyl-3-methyldec-9-enyl acetate
CAS name	(3 <i>S</i>)-3-methyl-6-(1-methylethenyl)-9-decen-1-yl acetate
Structure	
CAS Reg. No.	64309-03-1
Formula	C ₁₆ H ₂₈ O ₂
Use	attractant
InChIKey	UJJKWQRTTYLTQL-LBAUFKAWSA-N

Common name	rescalure
InChI	InChI=1S/C16H28O2/c1-6-7-8-16(13(2)3)10-9-14(4)11-12-18-15(5)17/h6,14,16H,1-2,7-12H2,3-5H3/t14-,16?/m0/s1

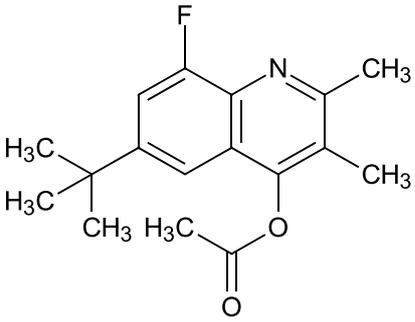
Common name	sedaxane
IUPAC PIN	mixture of 80–100% <i>rac-N</i> -{2-[(1 <i>R</i> ,2 <i>S</i>)-1,1'-bi(cyclopropan)]-2-ylphenyl}-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide and 20–0% of the <i>rac</i> -(1 <i>R</i> ,2 <i>R</i>)-isomers
IUPAC name	mixture of 80–100% 2'-[(1 <i>RS</i> ,2 <i>SR</i>)-1,1'-bicycloprop-2-yl]-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxanilide and 20–0% of the (1 <i>RS</i> ,2 <i>RS</i>)-isomers
CAS name	<i>N</i> -[2-[1,1'-bicyclopropyl]-2-ylphenyl]-3-(difluoromethyl)-1-methyl-1 <i>H</i> -pyrazole-4-carboxamide
Structure	 <p style="text-align: right;"><i>trans</i>-isomers (major components)</p>
CAS Reg. No.	874967-67-6
Formula	C ₁₈ H ₁₉ F ₂ N ₃ O
Use	Fungicide
InChIKey	XQJQCBDIXRIYRP-UHFFFAOYSA-N
InChI	InChI=1S/C18H19F2N3O/c1-23-9-14(16(22-23)17(19)20)18(24)21-15-5-3-2-4-11(15)13-8-12(13)10-6-7-10/h2-5,9-10,12-13,17H,6-8H2,1H3,(H,21,24)

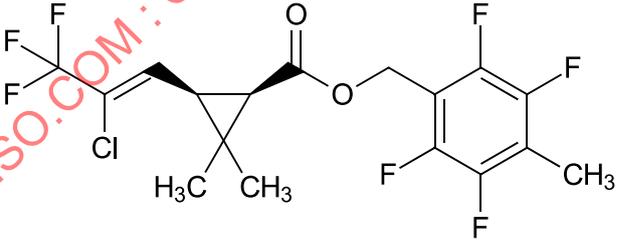
Common name	spiropidion
IUPAC PIN	3-(4-chloro-2,6-dimethylphenyl)-8-methoxy-1-methyl-2-oxo-1,8-diazaspiro[4.5]dec-3-en-4-yl ethyl carbonate
IUPAC name	3-(4-chloro-2,6-xyllyl)-8-methoxy-1-methyl-2-oxo-1,8-diazaspiro[4.5]dec-3-en-4-yl ethyl carbonate
CAS name	3-(4-chloro-2,6-dimethylphenyl)-8-methoxy-1-methyl-2-oxo-1,8-diazaspiro[4.5]dec-3-en-4-yl ethyl carbonate

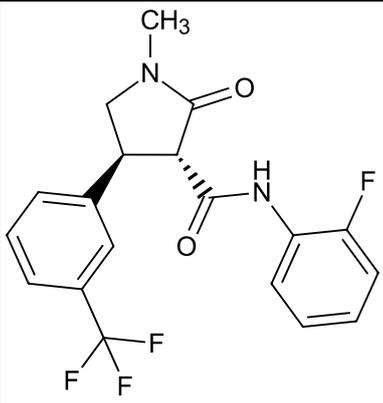
Common name	spiropidion
Structure	
CAS Reg. No.	1229023-00-0
Formula	C ₂₁ H ₂₇ ClN ₂ O ₅
Use	insecticide
InChIKey	WOPFPAIGRGHWAQ-UHFFFAOYSA-N
InChI	InChI=1S/C21H27ClN2O5/c1-6-28-20(26)29-18-17(16-13(2)11-15(22)12-14(16)3)19(25)23(4)21(18)7-9-24(27-5)10-8-21/h11-12H,6-10H2,1-5H3

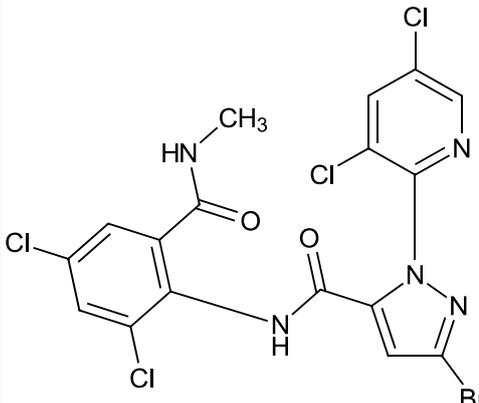
Common name	sulfoxaflor
IUPAC PIN	[[E]-methyl(oxo){(1E)-1-[6-(trifluoromethyl)pyridin-3-yl]ethyl}-λ ⁶ -sulfanylidene]cyanamide
IUPAC name	[methyl(oxo){1-[6-(trifluoromethyl)-3-pyridyl]ethyl}-λ ⁶ -sulfanylidene]cyanamide
CAS name	<i>N</i> -[methyloxy[1-[6-(trifluoromethyl)-3-pyridinyl]ethyl]-λ ⁴ -sulfanylidene]cyanamide
Structure	
CAS Reg. No.	946578-00-3
Formula	C ₁₀ H ₁₀ F ₃ N ₃ OS
Use	insecticide
InChIKey	ZVQOOHYFBIDMTQ-UHFFFAOYSA-N
InChI	InChI=1S/C10H10F3N3OS/c1-7(18(2,17)16-6-14)8-3-4-9(15-5-8)10(11,12)13/h3-5,7H,1-2H3

Common name	tebufloquin
IUPAC PIN	6- <i>tert</i> -butyl-8-fluoro-2,3-dimethylquinolin-4-yl acetate
IUPAC name	6- <i>tert</i> -butyl-8-fluoro-2,3-dimethyl-4-quinolyl acetate
CAS name	6-(1,1-dimethylethyl)-8-fluoro-2,3-dimethyl-4-quinolinyl acetate

Common name	tebufloquin
Structure	
CAS Reg. No.	376645-78-2
Formula	C ₁₇ H ₂₀ FNO ₂
Use	fungicide
InChIKey	LWLJEQHTPVPKSJ-UHFFFAOYSA-N
InChI	InChI=1S/C17H20FNO2/c1-9-10(2)19-15-13(16(9)21-11(3)20)7-12(8-14(15)18)17(4,5)6/h7-8H,1-6H3

Common name	kappa-tefluthrin
IUPAC PIN	(2,3,5,6-tetrafluoro-4-methylphenyl)methyl (1 <i>R</i> ,3 <i>R</i>)-3-[[1 <i>Z</i>]-2-chloro-3,3,3-trifluoroprop-1-en-1-yl]-2,2-dimethylcyclopropane-1-carboxylate
IUPAC name	2,3,5,6-tetrafluoro-4-methylbenzyl (1 <i>R</i> ,3 <i>R</i>)-3-[[<i>Z</i>]-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate Rothamsted-style stereodescriptors: 2,3,5,6-tetrafluoro-4-methylbenzyl (1 <i>R</i>)- <i>cis</i> -3-[[<i>Z</i>]-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate
CAS name	(2,3,5,6-tetrafluoro-4-methylphenyl)methyl (1 <i>R</i> ,3 <i>R</i>)-3-[[1 <i>Z</i>]-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethylcyclopropanecarboxylate
Structure	
CAS Reg. No.	391634-71-2
Formula	C ₁₇ H ₁₄ ClF ₇ O ₂
Use	insecticide
InChIKey	ZFHGXWPMULPQSE-UKSCLKOJSA-N
InChI	InChI=1S/C17H14ClF7O2/c1-6-11(19)13(21)7(14(22)12(6)20)5-27-15(26)10-8(16(10,2)3)4-9(18)17(23,24)25/h4,8,10H,5H2,1-3H3/b9-4-/t8-,10-/m0/s1
Notes	This is one of the 2 isomers of tefluthrin [79538-32-2].

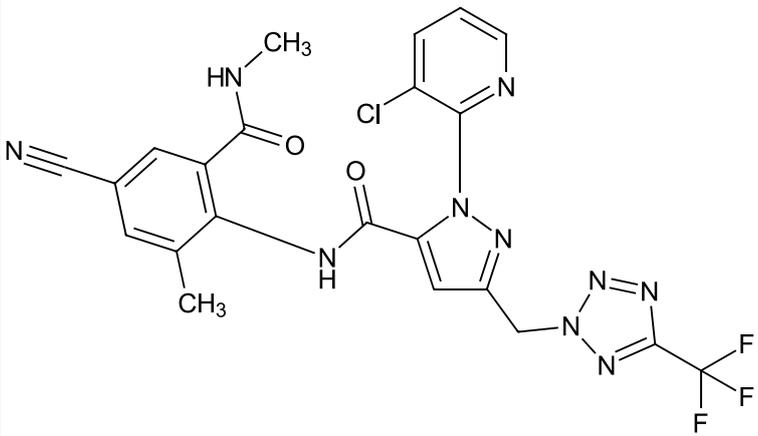
Common name	tetflupyrolimet
IUPAC PIN	(3 <i>S</i> ,4 <i>S</i>)- <i>N</i> -(2-fluorophenyl)-1-methyl-2-oxo-4-[3-(trifluoromethyl)phenyl]pyrrolidine-3-carboxamide
IUPAC name	(3 <i>S</i> ,4 <i>S</i>)-2'-fluoro-1-methyl-2-oxo-4-(α,α,α -trifluoro- <i>m</i> -tolyl)pyrrolidine-3-carboxanilide
CAS name	(3 <i>S</i> ,4 <i>S</i>)- <i>N</i> -(2-fluorophenyl)-1-methyl-2-oxo-4-[3-(trifluoromethyl)phenyl]-3-pyrrolidinecarboxamide
Structure	
CAS Reg. No.	2053901-33-8
Formula	C ₁₉ H ₁₆ F ₄ N ₂ O ₂
Use	herbicide
InChIKey	QQDYOLJZDUADHV-CJNGLKHVSA-N
InChI	InChI=1S/C19H16F4N2O2/c1-25-10-13(11-5-4-6-12(9-11)19(21,22)23)16(18(25)27)17(26)24-15-8-3-2-7-14(15)20/h2-9,13,16H,10H2,1H3,(H,24,26)/t13-,16+/m1/s1

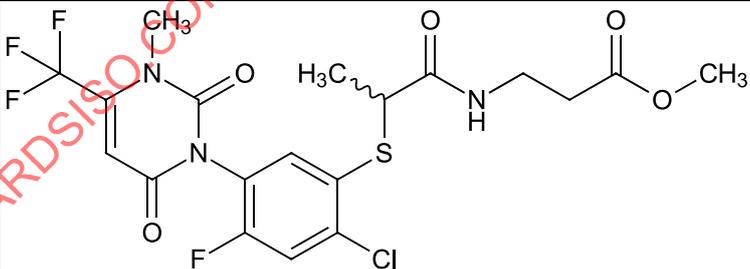
Common name	tetrachlorantraniliprole
IUPAC PIN	3-bromo- <i>N</i> -[2,4-dichloro-6-(methylcarbamoyl)phenyl]-1-(3,5-dichloropyridin-2-yl)-1 <i>H</i> -pyrazole-5-carboxamide
IUPAC name	3-bromo-2',4'-dichloro-1-(3,5-dichloro-2-pyridyl)-6'-(methylcarbamoyl)-1 <i>H</i> -pyrazole-5-carboxanilide
CAS name	3-bromo- <i>N</i> -[2,4-dichloro-6-[(methylamino)carbonyl]phenyl]-1-(3,5-dichloro-2-pyridinyl)-1 <i>H</i> -pyrazole-5-carboxamide
Structure	

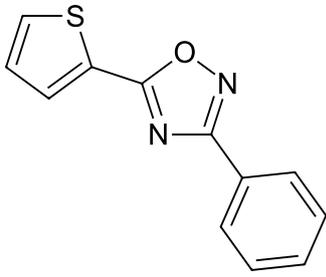
Common name	tetrachlorantraniliprole
CAS Reg. No.	1104384-14-6
Formula	C ₁₇ H ₁₀ BrCl ₄ N ₅ O ₂
Use	insecticide
InChIKey	ONILAONOGQYBHW-UHFFFAOYSA-N
InChI	InChI=1S/C17H10BrCl4N5O2/c1-23-16(28)9-2-7(19)3-10(21)14(9)25-17(29)12-5-13(18)26-27(12)15-11(22)4-8(20)6-24-15/h2-6H,1H3,(H,23,28)(H,25,29)

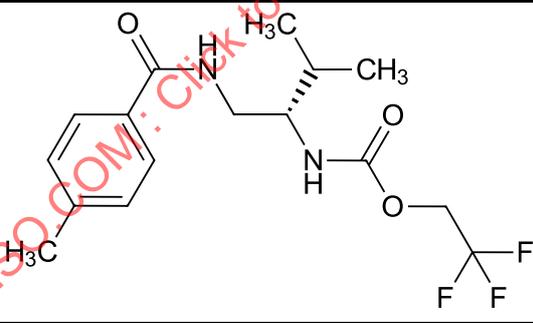
Common name	tetramethylfluthrin
IUPAC PIN	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl 2,2,3,3-tetramethylcyclopropane-1-carboxylate
IUPAC name	2,3,5,6-tetrafluoro-4-(methoxymethyl)benzyl 2,2,3,3-tetramethylcyclopropanecarboxylate
CAS name	[2,3,5,6-tetrafluoro-4-(methoxymethyl)phenyl]methyl 2,2,3,3-tetramethylcyclopropanecarboxylate
Structure	
CAS Reg. No.	84937-88-2
Formula	C ₁₇ H ₂₀ F ₄ O ₃
Use	insecticide
InChIKey	APEPLROGLDYWBS-UHFFFAOYSA-N
InChI	InChI=1S/C17H20F4O3/c1-16(2)14(17(16,3)4)15(22)24-7-9-12(20)10(18)8(6-23-5)11(19)13(9)21/h14H,6-7H2,1-5H3

Common name	tetraniliprole
IUPAC PIN	1-(3-chloropyridin-2-yl)-N-[4-cyano-2-methyl-6-(methylcarbamoyl)phenyl]-3-[[5-(trifluoromethyl)-2H-tetrazol-2-yl]methyl]-1H-pyrazole-5-carboxamide
IUPAC name	1-(3-chloro-2-pyridyl)-4'-cyano-2'-methyl-6'-(methylcarbamoyl)-3-[[5-(trifluoromethyl)-2H-tetrazol-2-yl]methyl]-1H-pyrazole-5-carboxanilide
CAS name	1-(3-chloro-2-pyridinyl)-N-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-3-[[5-(trifluoromethyl)-2H-tetrazol-2-yl]methyl]-1H-pyrazole-5-carboxamide

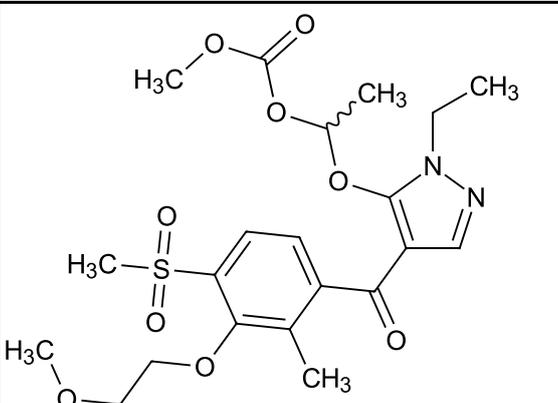
Common name	tetraniliprole
Structure	 The chemical structure of tetraniliprole consists of a central pyrimidine ring. At the 2-position of the pyrimidine, there is a chlorine atom and a 4-fluorophenyl group. At the 4-position, there is a methyl group and a trifluoromethyl group. At the 5-position, there is a propanamido group. At the 6-position, there is a thioether linkage to a 2-chloro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-3,6-dihydropyrimidin-1(2H)-yl)-4-fluorophenyl group.
CAS Reg. No.	1229654-66-3
Formula	C ₂₂ H ₁₆ ClF ₃ N ₁₀ O ₂
Use	insecticide
InChIKey	KNDVJPKNBVIKML-UHFFFAOYSA-N
InChI	InChI=1S/C22H16ClF3N10O2/c1-11-6-12(9-27)7-14(19(37)28-2)17(11)30-20(38)16-8-13(10-35-33-21(31-34-35)22(24,25)26)32-36(16)18-15(23)4-3-5-29-18/h3-8H,10H2,1-2H3,(H,28,37)(H,30,38)

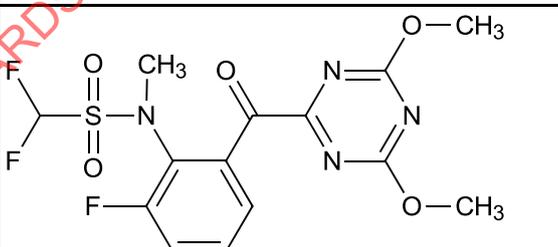
Common name	tiafenacil
IUPAC PIN	methyl <i>rac</i> -3-[(2 <i>R</i>)-2-({2-chloro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-3,6-dihydropyrimidin-1(2 <i>H</i>)-yl]-4-fluorophenyl}sulfanyl)propanamido]propanoate
IUPAC name	methyl 3-[(2 <i>RS</i>)-2-({2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)pyrimidin-1(2 <i>H</i>)-yl]-4-fluorophenyl}thio)propionamido]propionate
CAS name	methyl <i>N</i> -[2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2 <i>H</i>)-pyrimidinyl]-4-fluorophenyl]thio]-1-oxopropyl]-β-alaninate
Structure	 The chemical structure of tiafenacil features a central pyrimidine ring. At the 2-position, there is a chlorine atom and a 4-fluorophenyl group. At the 4-position, there is a methyl group and a trifluoromethyl group. At the 5-position, there is a propanamido group. At the 6-position, there is a thioether linkage to a 2-chloro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-3,6-dihydropyrimidin-1(2H)-yl)-4-fluorophenyl group.
CAS Reg. No.	1220411-29-9
Formula	C ₁₉ H ₁₈ ClF ₄ N ₃ O ₅ S
Use	herbicide
InChIKey	QPTPZPIXUPELRM-UHFFFAOYSA-N
InChI	InChI=1S/C19H18ClF4N3O5S/c1-9(17(30)25-5-4-16(29)32-3)33-13-7-12(11(21)6-10(13)20)27-15(28)8-14(19(22,23)24)26(2)18(27)31/h6-9H,4-5H2,1-3H3,(H,25,30)

Common name	tioxazafen
IUPAC PIN	3-phenyl-5-(thiophen-2-yl)-1,2,4-oxadiazole
IUPAC name	3-phenyl-5-(2-thienyl)-1,2,4-oxadiazole
CAS name	3-phenyl-5-(2-thienyl)-1,2,4-oxadiazole
Structure	
CAS Reg. No.	330459-31-9
Formula	C ₁₂ H ₈ N ₂ OS
Use	nematicide
InChIKey	IHNSIFFSNUQGQN-UHFFFAOYSA-N
InChI	InChI=1S/C12H8N2OS/c1-2-5-9(6-3-1)11-13-12(15-14-11)10-7-4-8-16-10/h1-8H

Common name	tolprocarb
IUPAC PIN	2,2,2-trifluoroethyl [(2S)-3-methyl-1-(4-methylbenzamido)butan-2-yl]carbamate
IUPAC name	2,2,2-trifluoroethyl [(S)-2-methyl-1-(p-toluamidomethyl)propyl]carbamate
CAS name	2,2,2-trifluoroethyl N-[(1S)-2-methyl-1-[[4-methylbenzoyl]amino]methyl]propyl]carbamate
Structure	
CAS Reg. No.	911499-62-2
Formula	C ₁₆ H ₂₁ F ₃ N ₂ O ₃
Use	fungicide
InChIKey	RSOJVBVYZCMJOS-CYBMUJFWSA-N
InChI	InChI=1S/C16H21F3N2O3/c1-10(2)13(21-15(23)24-9-16(17,18)19)8-20-14(22)12-6-4-11(3)5-7-12/h4-7,10,13H,8-9H2,1-3H3,(H,20,22)(H,21,23)/t13-/m1/s1

Common name	tolpyralate
IUPAC PIN	rac-(1R)-1-({1-ethyl-4-[3-(2-methoxyethoxy)-2-methyl-4-(methanesulfonyl)benzoyl]-1H-pyrazol-5-yl}oxy)ethyl methyl carbonate

Common name	tolpyralate
IUPAC name	(<i>RS</i>)-1-((1-ethyl-4-[4-mesyl-3-(2-methoxyethoxy)- <i>o</i> -toluoyl]-1 <i>H</i> -pyrazol-5-yl)oxy)ethyl methyl carbonate
CAS name	1-[[1-ethyl-4-[3-(2-methoxyethoxy)-2-methyl-4-(methylsulfonyl)benzoyl]-1 <i>H</i> -pyrazol-5-yl]oxy]ethyl methyl carbonate
Structure	
CAS Reg. No.	1101132-67-5
Formula	C ₂₁ H ₂₈ N ₂ O ₉ S
Use	herbicide
InChIKey	GHLCSRDVVEUQD-UHFFFAOYSA-N
InChI	InChI=1S/C21H28N2O9S/c1-7-23-20(31-14(3)32-21(25)29-5)16(12-22-23)18(24)15-8-9-17(33(6,26)27)19(13(15)2)30-11-10-28-4/h8-9,12,14H,7,10-11H2,1-6H3

Common name	triafamone
IUPAC PIN	<i>N</i> -{2-[4,6-dimethoxy(1,3,5-triazine-2-carbonyl)]-6-fluorophenyl}-1,1-difluoro- <i>N</i> -methylmethanesulfonamide
IUPAC name	2'-[(4,6-dimethoxy-1,3,5-triazin-2-yl)carbonyl]-1,1,6'-trifluoro- <i>N</i> -methylmethanesulfonanilide
CAS name	<i>N</i> -[2-[(4,6-dimethoxy-1,3,5-triazin-2-yl)carbonyl]-6-fluorophenyl]-1,1-difluoro- <i>N</i> -methylmethanesulfonamide
Structure	
CAS Reg. No.	874195-61-6
Formula	C ₁₄ H ₁₃ F ₃ N ₄ O ₅ S
Use	herbicide
InChIKey	GBHVIWKSEHWFD-D-UHFFFAOYSA-N

Common name	triafamone
InChI	InChI=1S/C14H13F3N4O5S/c1-21(27(23,24)12(16)17)9-7(5-4-6-8(9)15)10(22)11-18-13(25-2)20-14(19-11)26-3/h4-6,12H,1-3H3

Common name	triclopyricarb
IUPAC PIN	methyl methoxy(2-[[[(3,5,6-trichloropyridin-2-yl)oxy]methyl]phenyl]carbamate
IUPAC name	methyl <i>N</i> -methoxy-2-[[[(3,5,6-trichloro-2-pyridyl)oxy]methyl]carbanilate
CAS name	methyl <i>N</i> -methoxy- <i>N</i> -[2-[[[(3,5,6-trichloro-2-pyridinyl)oxy]methyl]phenyl]carbamate
Structure	
CAS Reg. No.	902760-40-1
Formula	C ₁₅ H ₁₃ Cl ₃ N ₂ O ₄
Use	fungicide
InChIKey	QFNFRZHGXWVWAQ-UHFFFAOYSA-N
InChI	InChI=1S/C15H13Cl3N2O4/c1-22-15(21)20(23-2)12-6-4-3-5-9(12)8-24-14-11(17)7-10(16)13(18)19-14/h3-7H,8H2,1-2H3

Common name	trifludimoxazin
IUPAC PIN	1,5-dimethyl-6-thioxo-3-[2,2,7-trifluoro-3-oxo-4-(prop-2-yn-1-yl)-3,4-dihydro-2 <i>H</i> -1,4-benzoxazin-6-yl]-1,3,5-triazinane-2,4-dione
IUPAC name	1,5-dimethyl-6-thioxo-3-[2,2,7-trifluoro-3,4-dihydro-3-oxo-4-(prop-2-ynyl)-2 <i>H</i> -1,4-benzoxazin-6-yl]-1,3,5-triazinane-2,4-dione
CAS name	dihydro-1,5-dimethyl-6-thioxo-3-[2,2,7-trifluoro-3,4-dihydro-3-oxo-4-(2-propyn-1-yl)-2 <i>H</i> -1,4-benzoxazin-6-yl]-1,3,5-triazine-2,4(1 <i>H</i> ,3 <i>H</i>)-dione
Structure	

Common name	trifludimoxazin
CAS Reg. No.	1258836-72-4
Formula	C ₁₆ H ₁₁ F ₃ N ₄ O ₄ S
Use	herbicide
InChIKey	AZHZOGYUMMIAOF-UHFFFAOYSA-N
InChI	InChI=1S/C16H11F3N4O4S/c1-4-5-22-10-7-9(8(17)6-11(10)27-16(18,19)12(22)24)23-13(25)20(2)15(28)21(3)14(23)26/h1,6-7H,5H2,2-3H3

Common name	triflumezopyrim
IUPAC PIN	2,4-dioxo-1-(pyrimidin-5-ylmethyl)-3-[3-(trifluoromethyl)phenyl]-3,4-dihydro-2H-1λ ⁵ -pyrido[1,2- <i>a</i>]pyrimidin-1-ylum-3-ide
IUPAC name	3,4-dihydro-2,4-dioxo-1-(pyrimidin-5-ylmethyl)-3-(α,α,α-trifluoro- <i>m</i> -tolyl)-2H-pyrido[1,2- <i>a</i>]pyrimidin-1-ium-3-ide
CAS name	2,4-dioxo-1-(5-pyrimidinylmethyl)-3-[3-(trifluoromethyl)phenyl]-2H-pyrido[1,2- <i>a</i>]pyrimidinium inner salt
Structure	
CAS Reg. No.	1263133-33-0
Formula	C ₂₀ H ₁₃ F ₃ N ₄ O ₂
Use	insecticide
InChIKey	LHZOTJOOBRODLL-UHFFFAOYSA-N
InChI	InChI=1S/C20H13F3N4O2/c21-20(22,23)15-5-3-4-14(8-15)17-18(28)26-7-2-1-6-16(26)27(19(17)29)11-13-9-24-12-25-10-13/h1-10,12H,11H2

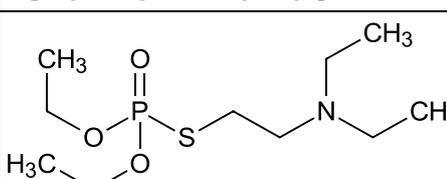
Common name	tyclopiazoflor
IUPAC PIN	<i>N</i> -[3-chloro-1-(pyridin-3-yl)-1 <i>H</i> -pyrazol-4-yl]- <i>N</i> -ethyl-3-[(3,3,3-trifluoropropyl)sulfanyl]propanamide
IUPAC name	<i>N</i> -[3-chloro-1-(3-pyridyl)-1 <i>H</i> -pyrazol-4-yl]- <i>N</i> -ethyl-3-[(3,3,3-trifluoropropyl)thio]propionamide
CAS name	<i>N</i> -[3-chloro-1-(3-pyridinyl)-1 <i>H</i> -pyrazol-4-yl]- <i>N</i> -ethyl-3-[(3,3,3-trifluoropropyl)thio]propanamide

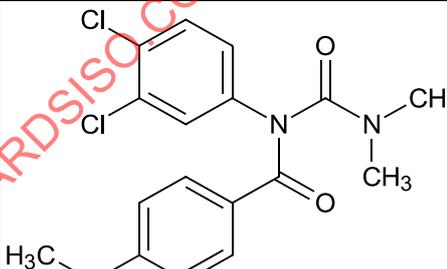
Common name	tyclopirazoflor
Structure	
CAS Reg. No.	1477919-27-9
Formula	C ₁₆ H ₁₈ ClF ₃ N ₄ OS
Use	insecticide
InChIKey	DBHVHTPMRCXCIY-UHFFFAOYSA-N
InChI	InChI=1S/C16H18ClF3N4OS/c1-2-23(14(25)5-8-26-9-6-16(18,19)20)13-11-24(22-15(13)17)12-4-3-7-21-10-12/h3-4,7,10-11H,2,5-6,8-9H2,1H3

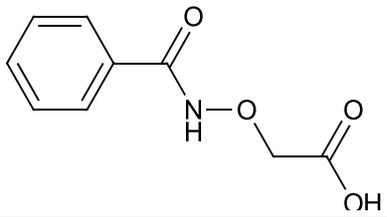
Common name	valifenalate
IUPAC name	methyl (3 <i>RS</i>)-3-(4-chlorophenyl)- <i>N</i> -[<i>N</i> -(isopropoxycarbonyl)- <i>L</i> -valyl]-β-alaninate
CAS name	methyl 3-(4-chlorophenyl)- <i>N</i> -[[[1-methylethoxy]carbonyl]- <i>L</i> -valyl]-β-alaninate
Structure	
CAS Reg. No.	283159-90-0
Formula	C ₁₉ H ₂₇ ClN ₂ O ₅
Use	fungicide
InChIKey	DBXFMOWZRXXBRN-LWKPJOBUSA-N
InChI	InChI=1S/C19H27ClN2O5/c1-11(2)17(22-19(25)27-12(3)4)18(24)21-15(10-16(23)26-5)13-6-8-14(20)9-7-13/h6-9,11-12,15,17H,10H2,1-5H3,(H,21,24)(H,22,25)/t15?,17-/m0/s1

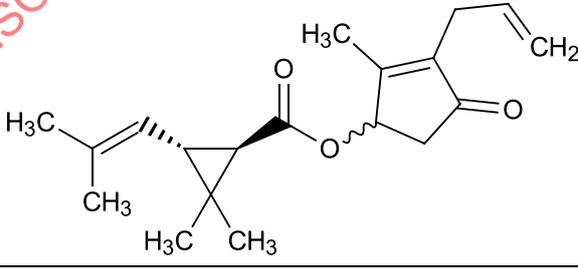
Names adopted from *Recommended Common Names for Pesticides (BS 1831:1969)*

These common names have been used in the literature and on product labels in many countries, but have been left without authoritative definitions by the withdrawal of BS 1831. To provide definitions, the names are being adopted by ISO.

Common name	amiton
IUPAC PIN	<i>S</i> -[2-(diethylamino)ethyl] <i>O,O</i> -diethyl phosphorothioate
IUPAC name	<i>S</i> -[2-(diethylamino)ethyl] <i>O,O</i> -diethyl phosphorothioate
CAS name	<i>S</i> -[2-(diethylamino)ethyl] <i>O,O</i> -diethyl phosphorothioate
Structure	
CAS Reg. No.	78-53-5
Formula	C ₁₀ H ₂₄ NO ₃ PS
Use	acaricide, insecticide
InChIKey	PJISLFCKHOHLLP-UHFFFAOYSA-N
InChI	InChI=1S/C10H24NO3PS/c1-5-11(6-2)9-10-16-15(12,13-7-3)14-8-4/h5-10H2,1-4H3
Notes	It should be stated which salt is present, for example amiton oxalate [3734-97-2].

Common name	anisuron
IUPAC PIN	<i>N</i> -(3,4-dichlorophenyl)- <i>N</i> -(dimethylcarbamoyl)-4-methoxybenzamide
IUPAC name	1-(<i>p</i> -anisoyl)-1-(3,4-dichlorophenyl)-3,3-dimethylurea
CAS name	<i>N</i> -(3,4-dichlorophenyl)- <i>N</i> -[(dimethylamino)carbonyl]-4-methoxybenzamide
Structure	
CAS Reg. No.	2689-43-2
Formula	C ₁₇ H ₁₆ Cl ₂ N ₂ O ₃
Use	herbicide
InChIKey	RGKLVVDHWRAWRO-UHFFFAOYSA-N
InChI	InChI=1S/C17H16Cl2N2O3/c1-20(2)17(23)21(12-6-9-14(18)15(19)10-12)16(22)11-4-7-13(24-3)8-5-11/h4-10H,1-3H3

Common name	benzadox
IUPAC PIN	(benzamidooxy)acetic acid
IUPAC name	(benzamidooxy)acetic acid
CAS name	2-[(benzoylamino)oxy]acetic acid
Structure	
CAS Reg. No.	5251-93-4
Formula	C ₉ H ₉ NO ₄
Use	herbicide
InChIKey	WDRGQGLIUAMOOO-UHFFFAOYSA-N
InChI	InChI=1S/C9H9NO4/c11-8(12)6-14-10-9(13)7-4-2-1-3-5-7/h1-5H,6H2,(H,10,13)(H,11,12)
Notes	It should be stated which salt is present, for example benzadox-ammonium [5251-79-6].

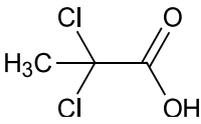
Common name	bioallethrin
IUPAC PIN	(1E)-2-methyl-4-oxo-3-(prop-2-en-1-yl)cyclopent-2-en-1-yl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropane-1-carboxylate
IUPAC name	(RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate Rothamsted-style stereodescriptors: (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (1R)-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate
CAS name	2-methyl-4-oxo-3-(2-propen-1-yl)-2-cyclopenten-1-yl (1R,3R)-2,2-dimethyl-3-(2-methyl-1-propen-1-yl)cyclopropanecarboxylate
Structure	
CAS Reg. No.	260359-57-7
Formula	C ₁₉ H ₂₆ O ₃
Use	insecticide
InChIKey	ZCVAOQKBXKSDMS-AQYZNVCMSA-N
InChI	InChI=1S/C19H26O3/c1-7-8-13-12(4)16(10-15(13)20)22-18(21)17-14(9-11(2)3)19(17,5)6/h7,9,14,16-17H,1,8,10H2,2-6H3/t14-,16?,17+/m1/s1

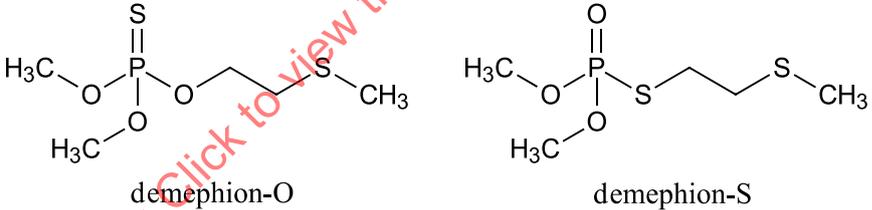
Common name	bioallethrin
Notes	1 In China, the name " <i>d-trans</i> -allethrin" has been accepted as the common name. 2 In France, the name "dépalléthrine" has been accepted as the common name. 3 The unresolved isomeric mixture has the common name allethrin [584-79-2].

Common name	chlorazine
IUPAC PIN	6-chloro- <i>N</i> ² , <i>N</i> ² , <i>N</i> ⁴ , <i>N</i> ⁴ -tetraethyl-1,3,5-triazine-2,4-diamine
IUPAC name	6-chloro- <i>N</i> ² , <i>N</i> ² , <i>N</i> ⁴ , <i>N</i> ⁴ -tetraethyl-1,3,5-triazine-2,4-diamine
CAS name	6-chloro- <i>N</i> ² , <i>N</i> ² , <i>N</i> ⁴ , <i>N</i> ⁴ -tetraethyl-1,3,5-triazine-2,4-diamine
Structure	
CAS Reg. No.	580-48-3
Formula	C ₁₁ H ₂₀ ClN ₅
Use	herbicide
InChIKey	QHXTLYEHWXDSO-UHFFFAOYSA-N
InChI	InChI=1S/C11H20ClN5/c1-5-16(6-2)10-13-9(12)14-11(15-10)17(7-3)8-4/h5-8H2,1-4H3

Common name	cuprobam
IUPAC name	tricopper dichloride dimethyldithiocarbamate
CAS name	dichloro(dimethylcarbamodithioato)tricopper
Structure	
CAS Reg. No.	7076-63-3
Formula	C ₃ H ₆ Cl ₂ Cu ₃ NS ₂
Use	fungicide
InChIKey	VQSUKBFBVMSNES-UHFFFAOYSA-K
InChI	InChI=1S/C3H7NS2.2ClH.3Cu/c1-4(2)3(5)6;;;;;/h1-2H3,(H,5,6);2*1H;;;/q;;;3*+1/p-3

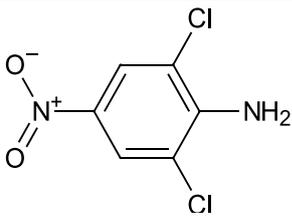
Common name	dalapon
IUPAC PIN	2,2-dichloropropanoic acid
IUPAC name	2,2-dichloropropionic acid

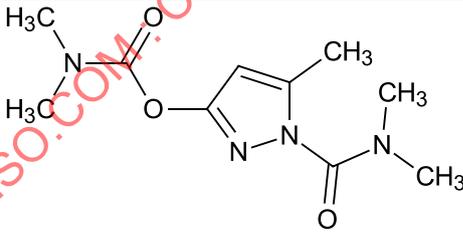
Common name	dalapon
CAS name	2,2-dichloropropanoic acid
Structure	
CAS Reg. No.	75-99-0
Formula	C ₃ H ₄ Cl ₂ O ₂
Use	herbicide
InChIKey	NDUPDOJHUQKPAQ-UHFFFAOYSA-N
InChI	InChI=1S/C3H4Cl2O2/c1-3(4,5)2(6)7/h1H3,(H,6,7)
Notes	It should be stated which ester or salt is present, for example dalapon-magnesium [29110-22-3], dalapon-sodium [127-20-8].

Common name	demephion
IUPAC PIN	mixture of <i>O,O</i> -dimethyl <i>O</i> -[2-(methylsulfanyl)ethyl] phosphorothioate and <i>O,O</i> -dimethyl <i>S</i> -[2-(methylsulfanyl)ethyl] phosphorothioate
IUPAC name	mixture of <i>O,O</i> -dimethyl <i>O</i> -[2-(methylthio)ethyl] phosphorothioate and <i>O,O</i> -dimethyl <i>S</i> -[2-(methylthio)ethyl] phosphorothioate
CAS name	<i>O,O</i> -dimethyl <i>O</i> -[2-(methylthio)ethyl] phosphorothioate mixture with <i>O,O</i> -dimethyl <i>S</i> -[2-(methylthio)ethyl] phosphorothioate
Structure	 demephion-O demephion-S
CAS Reg. No.	8065-62-1
Formula	C ₅ H ₁₃ O ₃ PS ₂
Use	insecticide
InChIKey	demephion-O: IATBEFPCSHFQJS-UHFFFAOYSA-N demephion-S: PSTWJANBJOHFQJ-UHFFFAOYSA-N
InChI	demephion-O: InChI=1S/C5H13O3PS2/c1-6-9(10,7-2)8-4-5-11-3/h4-5H2,1-3H3 demephion-S: InChI=1S/C5H13O3PS2/c1-7-9(6,8-2)11-5-4-10-3/h4-5H2,1-3H3
Notes	The 2 components have their own common names, demephion-O [682-80-4] and demephion-S [2587-90-8].

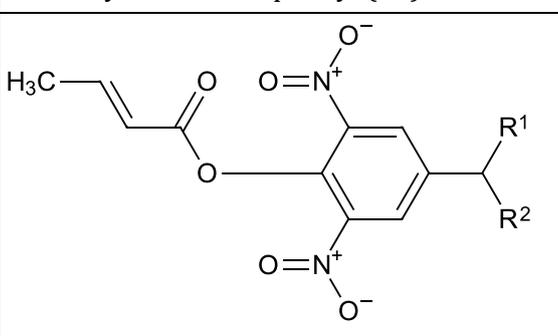
Common name	demeton
IUPAC PIN	mixture of <i>O,O</i> -diethyl <i>O</i> -[2-(ethylsulfanyl)ethyl] phosphorothioate and <i>O,O</i> -diethyl <i>S</i> -[2-(ethylsulfanyl)ethyl] phosphorothioate
IUPAC name	mixture of <i>O,O</i> -diethyl <i>O</i> -[2-(ethylthio)ethyl] phosphorothioate and <i>O,O</i> -diethyl <i>S</i> -[2-(ethylthio)ethyl] phosphorothioate

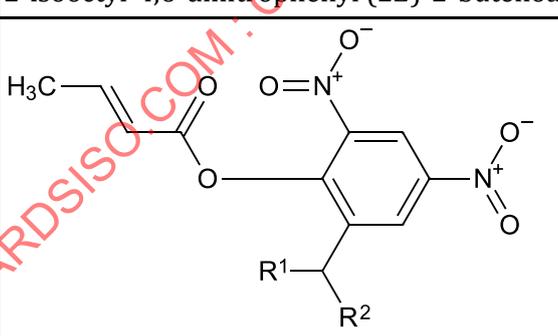
Common name	demeton-methyl
Notes	The 2 components have their own common names, demeton-O-methyl [867-27-6] and demeton-S-methyl [919-86-8].

Common name	dicloran
IUPAC PIN	2,6-dichloro-4-nitroaniline
IUPAC name	2,6-dichloro-4-nitroaniline
CAS name	2,6-dichloro-4-nitrobenzenamine
Structure	
CAS Reg. No.	99-30-9
Formula	C ₆ H ₄ Cl ₂ N ₂ O ₂
Use	fungicide
InChIKey	BIXZHMJUSMUDOQ-UHFFFAOYSA-N
InChI	InChI=1S/C6H4Cl2N2O2/c7-4-1-3(10(11)12)2-5(8)6(4)9/h1-2H,9H2

Common name	dimetilan
IUPAC PIN	1-(dimethylcarbamoyl)-5-methyl-1 <i>H</i> -pyrazol-3-yl dimethylcarbamate
IUPAC name	1-(dimethylcarbamoyl)-5-methyl-1 <i>H</i> -pyrazol-3-yl dimethylcarbamate
CAS name	1-[[dimethylamino]carbonyl]-5-methyl-1 <i>H</i> -pyrazol-3-yl <i>N,N</i> -dimethylcarbamate
Structure	
CAS Reg. No.	644-64-4
Formula	C ₁₀ H ₁₆ N ₄ O ₃
Use	insecticide
InChIKey	RDBIYWSVMRVKSG-UHFFFAOYSA-N
InChI	InChI=1S/C10H16N4O3/c1-7-6-8(17-10(16)13(4)5)11-14(7)9(15)12(2)3/h6H,1-5H3

Common name	dinocap-4
IUPAC PIN	mixture of <i>rac</i> -2,6-dinitro 4-[(2 <i>R</i>)-octan-2-yl]phenyl (2 <i>E</i>)-but-2-enoate, <i>rac</i> -2,6-dinitro 4-[(2 <i>R</i>)-octan-3-yl]phenyl (2 <i>E</i>)-but-2-enoate and <i>rac</i> -2,6-dinitro 4-[(2 <i>R</i>)-octan-4-yl]phenyl (2 <i>E</i>)-but-2-enoate

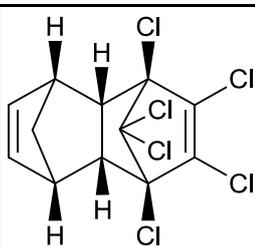
Common name	dinocap-4
IUPAC name	(<i>RS</i>)-2,6-dinitro-4-octylphenyl crotonates in which "octyl" is a mixture of 1-methylheptyl, 1-ethylhexyl and 1-propylpentyl groups
CAS name	4-isooctyl-2,6-dinitrophenyl (<i>2E</i>)-2-butenolate
Structure	 <p>R¹+R² = methyl+hexyl, ethyl+pentyl or propyl+butyl</p>
CAS Reg. No.	875690-85-0
Formula	C ₁₈ H ₂₄ N ₂ O ₆
Use	acaricide, fungicide
Notes	This substance is one of the components of dinocap [39300-45-3].

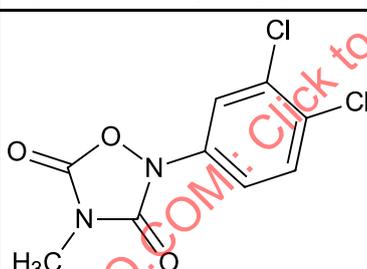
Common name	dinocap-6
IUPAC PIN	mixture of <i>rac</i> -2,4-dinitro 6-[(<i>2R</i>)-octan-2-yl]phenyl (<i>2E</i>)-but-2-enoate, <i>rac</i> -2,4-dinitro 6-[(<i>2R</i>)-octan-3-yl]phenyl (<i>2E</i>)-but-2-enoate and <i>rac</i> -2,4-dinitro 6-[(<i>2R</i>)-octan-4-yl]phenyl (<i>2E</i>)-but-2-enoate
IUPAC name	(<i>RS</i>)-2,4-dinitro-6-octylphenyl crotonates in which "octyl" is a mixture of 1-methylheptyl, 1-ethylhexyl and 1-propylpentyl groups
CAS name	2-isooctyl-4,6-dinitrophenyl (<i>2E</i>)-2-butenolate
Structure	 <p>R¹+R² = methyl+hexyl, ethyl+pentyl or propyl+butyl</p>
CAS Reg. No.	875695-92-4
Formula	C ₁₈ H ₂₄ N ₂ O ₆
Use	acaricide, fungicide
Notes	1 This substance is one of the components of dinocap [39300-45-3]. 2 The most active compound is (<i>RS</i>)-2-(1-methylheptyl)-4,6-dinitrophenyl (<i>2E</i>)-2-butenolate [131-72-6], which is the major component of meptyldinocap.

Common name	dinofenate
IUPAC PIN	<i>rac</i> -2-[(2 <i>R</i>)-butan-2-yl]-4,6-dinitrophenyl 2,4-dinitrophenyl carbonate
IUPAC name	(<i>RS</i>)-2- <i>sec</i> -butyl-4,6-dinitrophenyl 2,4-dinitrophenyl carbonate
CAS name	2,4-dinitrophenyl 2-(1-methylpropyl)-4,6-dinitrophenyl carbonate
Structure	
CAS Reg. No.	61614-62-8
Formula	C ₁₇ H ₁₄ N ₄ O ₁₁
Use	herbicide
InChIKey	HEJVROKEIMJTIN-UHFFFAOYSA-N
InChI	InChI=1S/C17H14N4O11/c1-3-9(2)12-6-11(19(25)26)8-14(21(29)30)16(12)32-17(22)31-15-5-4-10(18(23)24)7-13(15)20(27)28/h4-9H,3H2,1-2H3

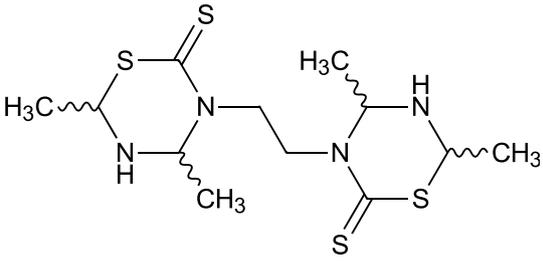
Common name	etem
IUPAC PIN	5,6-dihydro-3 <i>H</i> -imidazo[2,1- <i>c</i>][1,2,4]dithiazole-3-thione
IUPAC name	5,6-dihydro-3 <i>H</i> -imidazo[2,1- <i>c</i>]-1,2,4-dithiazole-3-thione
CAS name	5,6-dihydro-3 <i>H</i> -imidazo[2,1- <i>c</i>]-1,2,4-dithiazole-3-thione
Structure	
CAS Reg. No.	33813-20-6
Formula	C ₄ H ₄ N ₂ S ₃
Use	fungicide
InChIKey	BFTGQIQVUVTBJU-UHFFFAOYSA-N
InChI	InChI=1S/C4H4N2S3/c7-4-6-2-1-5-3(6)8-9-4/h1-2H2
Notes	In Japan, the name "ETM" has been accepted as the common name.

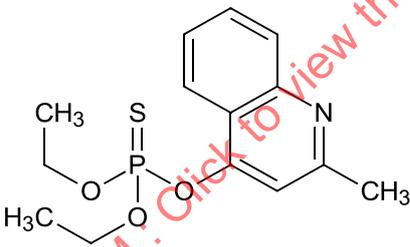
Common name	isodrin
IUPAC PIN	(1 <i>R</i> ,4 <i>S</i> ,4 <i>aS</i> ,5 <i>R</i> ,8 <i>S</i> ,8 <i>aR</i>)-1,2,3,4,10,10-hexachloro-1,4,4 <i>a</i> ,5,8,8 <i>a</i> -hexahydro-1,4:5,8-dimethanonaphthalene
IUPAC name	(1 <i>R</i> ,4 <i>S</i> ,4 <i>aS</i> ,5 <i>R</i> ,8 <i>S</i> ,8 <i>aR</i>)-1,2,3,4,10,10-hexachloro-1,4,4 <i>a</i> ,5,8,8 <i>a</i> -hexahydro-1,4:5,8-dimethanonaphthalene

Common name	isodrin
CAS name	(1 <i>R</i> ,4 <i>S</i> ,4 <i>aS</i> ,5 <i>R</i> ,8 <i>S</i> ,8 <i>aR</i>)- <i>rel</i> -1,2,3,4,10,10-hexachloro-1,4,4 <i>a</i> ,5,8,8 <i>a</i> -hexahydro-1,4:5,8-dimethanonaphthalene
Structure	
CAS Reg. No.	465-73-6
Formula	C ₁₂ H ₈ Cl ₆
Use	insecticide
InChIKey	QBYJBZPUGVGKQQ-DIFDVCDBSA-N
InChI	InChI=1S/C12H8Cl6/c13-8-9(14)11(16)7-5-2-1-4(3-5)6(7)10(8,15)12(11,17)18/h1-2,4-7H,3H2/t4-,5+,6-,7+,10-,11+
Notes	The 5 <i>S</i> ,8 <i>R</i> isomer has the common name aldrin [309-00-2].

Common name	methazole
IUPAC PIN	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione
IUPAC name	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione
CAS name	2-(3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazolidine-3,5-dione
Structure	
CAS Reg. No.	20354-26-1
Formula	C ₉ H ₆ Cl ₂ N ₂ O ₃
Use	herbicide
InChIKey	LRUUNMYPIBZBQH-UHFFFAOYSA-N
InChI	InChI=1S/C9H6Cl2N2O3/c1-12-8(14)13(16-9(12)15)5-2-3-6(10)7(11)4-5/h2-4H,1H3

Common name	milneb
IUPAC PIN	3,3'-(ethane-1,2-diyl)bis[(4 <i>E</i> ,6 <i>E</i>)-4,6-dimethyl-1,3,5-thiadiazinane-2-thione]
IUPAC name	4,4',6,6'-tetramethyl-3,3'-ethylenedi-1,3,5-thiadiazinane-2-thione
CAS name	3,3'-(1,2-ethanediyl)bis[tetrahydro-4,6-dimethyl-2 <i>H</i> -1,3,5-thiadiazine-2-thione]

Common name	milneb
Structure	
CAS Reg. No.	3773-49-7
Formula	C ₁₂ H ₂₂ N ₄ S ₄
Use	fungicide
InChIKey	JZFIWYCTCCINF-UHFFFAOYSA-N
InChI	InChI=1S/C12H22N4S4/c1-7-13-9(3)19-11(17)15(7)5-6-16-8(2)14-10(4)20-12(16)18/h7-10,13-14H,5-6H2,1-4H3
Notes	In Japan, the name "thiadiazine" has been accepted as the common name.

Common name	quinothion
IUPAC PIN	<i>O,O</i> -diethyl <i>O</i> -(2-methylquinolin-4-yl) phosphorothioate
IUPAC name	<i>O,O</i> -diethyl <i>O</i> -(2-methyl-4-quinolyl) phosphorothioate
CAS name	<i>O,O</i> -diethyl <i>O</i> -(2-methyl-4-quinolyl) phosphorothioate
Structure	
CAS Reg. No.	22439-40-3
Formula	C ₁₄ H ₁₈ NO ₃ PS
Use	insecticide
InChIKey	RVQMZGWUSHPUCC-UHFFFAOYSA-N
InChI	InChI=1S/C14H18NO3PS/c1-4-16-19(20,17-5-2)18-14-10-11(3)15-13-9-7-6-8-12(13)14/h6-10H,4-5H2,1-3H3

Common name	simeton
IUPAC PIN	<i>N</i> ² , <i>N</i> ⁴ -diethyl-6-methoxy-1,3,5-triazine-2,4-diamine
IUPAC name	<i>N</i> ² , <i>N</i> ⁴ -diethyl-6-methoxy-1,3,5-triazine-2,4-diamine
CAS name	<i>N</i> ² , <i>N</i> ⁴ -diethyl-6-methoxy-1,3,5-triazine-2,4-diamine

Common name	simeton
Structure	
CAS Reg. No.	673-04-1
Formula	C ₈ H ₁₅ N ₅ O
Use	herbicide
InChIKey	HKAMKLBXTLTVCN-UHFFFAOYSA-N
InChI	InChI=1S/C8H15N5O/c1-4-9-6-11-7(10-5-2)13-8(12-6)14-3/h4-5H2,1-3H3,(H2,9,10,11,12,13)

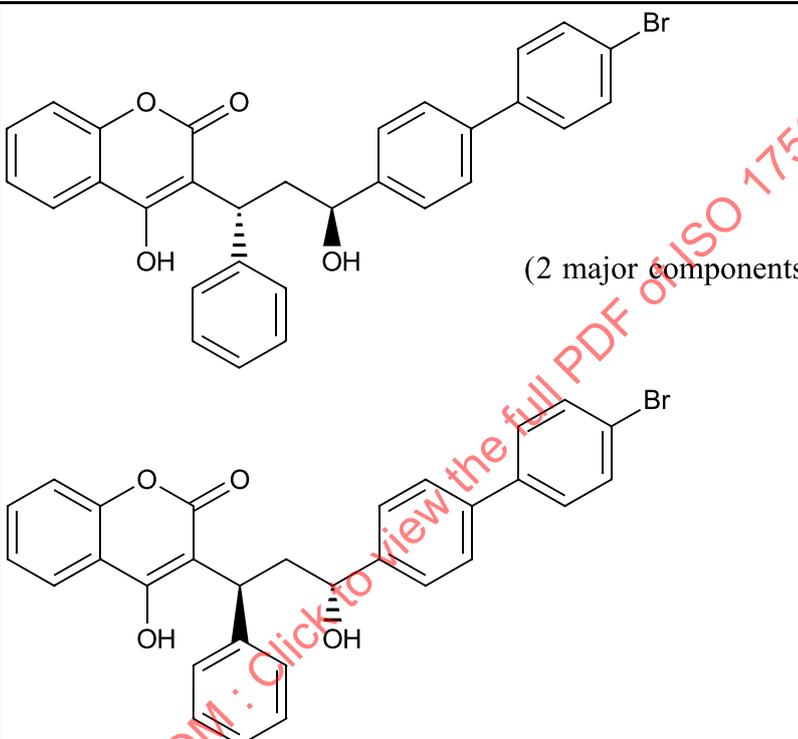
Common name	tecoram
IUPAC PIN	<i>N</i> ¹ , <i>N</i> ¹ , <i>N</i> ¹² , <i>N</i> ¹² -tetramethyl-4,9-disulfanylidene-2,3,10,11-tetrathia-5,8-diazadodecanedithioamide
IUPAC name	<i>N</i> ¹ , <i>N</i> ¹ , <i>N</i> ¹² , <i>N</i> ¹² -tetramethyl- <i>N</i> ⁴ , <i>N</i> ⁹ -ethylenedi(thiuram disulfide)
CAS name	<i>N</i> ¹ , <i>N</i> ¹ , <i>N</i> ¹² , <i>N</i> ¹² -tetramethyl-4,9-dithio-2,3,10,11-tetrathia-5,8-diazadodecanedithioamide
Structure	
CAS Reg. No.	5836-23-7
Formula	C ₁₀ H ₁₈ N ₄ S ₈
Use	fungicide
InChIKey	OTWBGXPTCSGQJ-UHFFFAOYSA-N
InChI	InChI=1S/C10H18N4S8/c1-13(2)9(17)21-19-7(15)11-5-6-12-8(16)20-22-10(18)14(3)4/h5-6H2,1-4H3,(H,11,15)(H,12,16)

Common name	trimeturon
IUPAC PIN	methyl (<i>E</i>)- <i>N</i> '-(4-chlorophenyl)- <i>N,N</i> -dimethylcarbamimidate
IUPAC name	(<i>EZ</i>)-3-(4-chlorophenyl)-1,1,2-trimethylisourea
CAS name	methyl <i>N</i> '-(4-chlorophenyl)- <i>N,N</i> -dimethylcarbamimidate
Structure	
CAS Reg. No.	3050-27-9

Common name	trimeturon
Formula	C ₁₀ H ₁₃ ClN ₂ O
Use	herbicide
InChIKey	MYURAHUSYDVWQA-UHFFFAOYSA-N
InChI	InChI=1S/C10H13ClN2O/c1-13(2)10(14-3)12-9-6-4-8(11)5-7-9/h4-7H,1-3H3

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Amendments and corrections to definitions of existing common names

Common name	bromadiolone
IUPAC PIN	mixture of 80–100% <i>rac</i> -3-[(1 <i>R</i> ,3 <i>S</i>)-3-(4'-bromo[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2 <i>H</i> -1-benzopyran-2-one and 20–0% of the <i>rac</i> -(1 <i>R</i> ,3 <i>R</i>)-isomers
IUPAC name	mixture of 80–100% 3-[(1 <i>R</i> ,3 <i>SR</i>)-3-(4'-bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxycoumarin and 20–0% of the (1 <i>RS</i> ,3 <i>RS</i>)-isomers
CAS name	3-[3-(4'-bromo[1,1'-biphenyl]-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxy-2 <i>H</i> -1-benzopyran-2-one
Structure	 <p>(2 major components)</p>
CAS Reg. No.	28772-56-7
Formula	C ₃₀ H ₂₃ BrO ₄
Use	rodenticide
InChIKey	LQAGAOMQXARIFO-YORONTHLSA-N (major component)
InChI	InChI=1S/2C30H23BrO4/c2*31-23-16-14-20(15-17-23)19-10-12-22(13-11-19)26(32)18-25(21-6-2-1-3-7-21)28-29(33)24-8-4-5-9-27(24)35-30(28)34/h2*1-17,25-26,32-33H,18H2/t2*25-,26+/m10/s1 (major component)
Notes	<p>1 The proportion of isomers was added to the definition in 2017 at the request of the sponsor, to reflect the composition of the commercial product.</p> <p>2 The mixture of 80–100% (1<i>RS</i>,3<i>RS</i>)-isomers and 20–0% (1<i>RS</i>,3<i>SR</i>)-isomers has the common name alpha-bromadiolone.</p> <p>3 The name “bromadiolone” is not acceptable for use in the Republic of South Africa, where “bropropridifacoum” has been adopted as the common name.</p>