



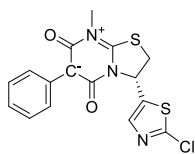
貴州大學

含手性中心的商品化农药分子

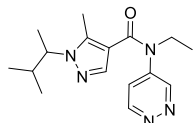
Prof. Yonggui Robin Chi

Research and Development Center for Fine Chemicals

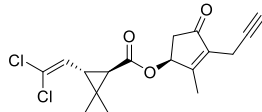
杀虫剂



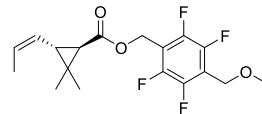
2413390-32-4
双噻唑(fenmezoditiaz)



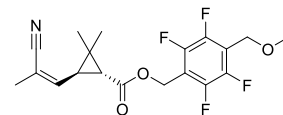
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噻虫唑酰胺(Dimpropyridaz)



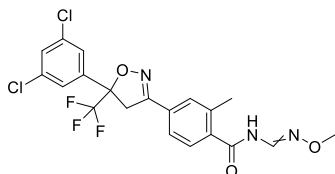
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右旋反式氯丙炔菊酯(chloroprallethrin)



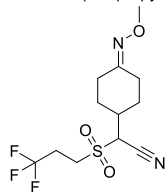
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ε-甲氧苄氟菊酯(epsilon-metofluthrin)



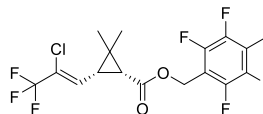
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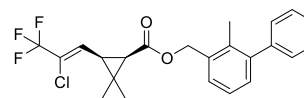
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氟噁唑酰胺(fluxametamide)



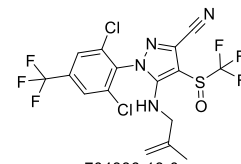
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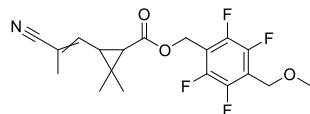
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R-七氟菊酯(kappa-tefluthrin)



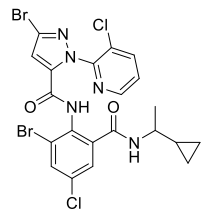
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R-联苯菊酯(kappa-bifenthrin)



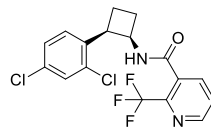
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丁烯氟虫腈(flufiprole)



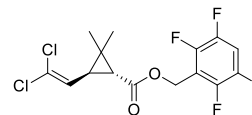
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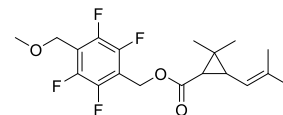
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环溴虫酰胺(cyclanilprole)



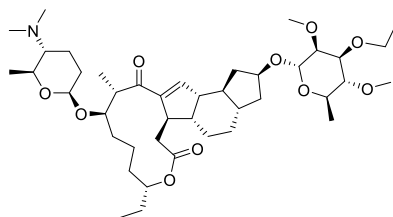
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三氟吡啶胺(cyclobutrifluram)



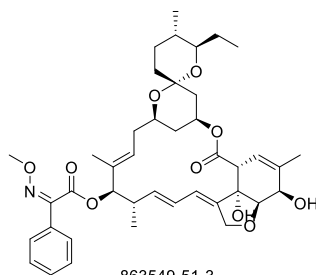
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四氟苯菊酯(transfluthrin)



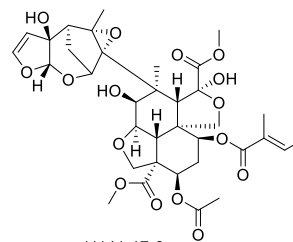
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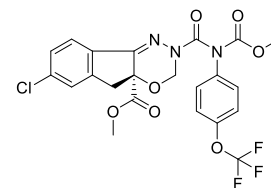
935545-74-7
乙基多杀菌素(spinetoram)



863549-51-3
雷皮菌素(lepimectin)

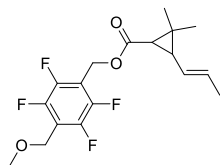


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印楝素(Azadirachtin)

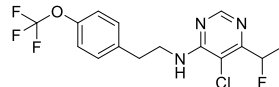


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茚虫威(indoxacarb)

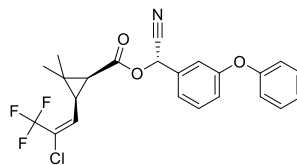
杀虫剂



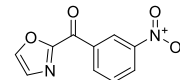
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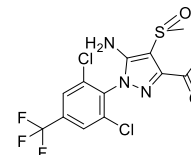
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噁虫胺(flufenimer)



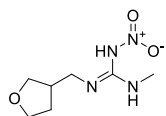
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精高效氯氟氰菊酯(gamma-cyhalothrin)



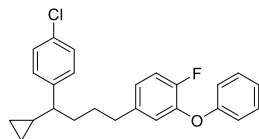
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多氟脲(noviflumuron)



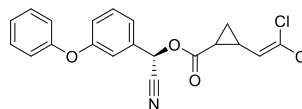
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乙酰虫腈(acetoprole)



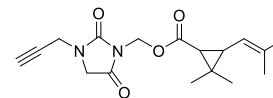
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呋虫胺(dinotefuran)



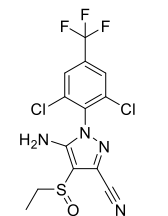
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氟苯醚菊酯(protrifenbutate)



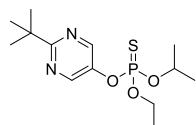
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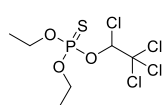
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炔咪菊酯(imiprothrin)



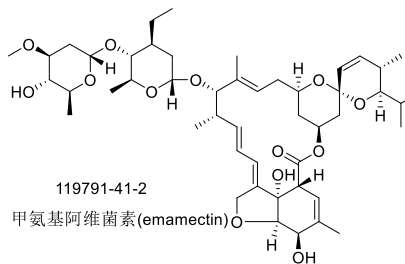
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乙虫腈(ethiprole)



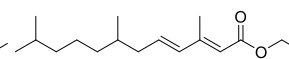
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丁基噻啉磷(tebuirimfos)



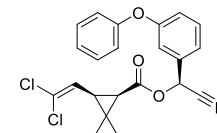
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氯氧磷(chlorethoxyfos)



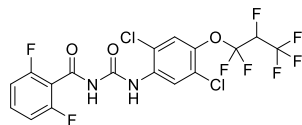
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甲氨基阿维菌素(emamectin)



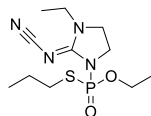
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烯虫乙酯(hydroprene)



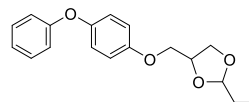
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高效氯氰菊酯(beta-cypermethrin)



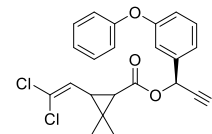
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虱螨脲(lufenuron)



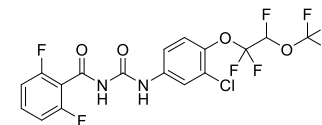
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苯虫醚(diofenolan)

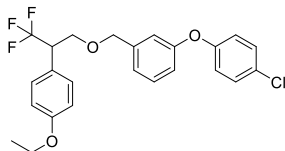


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zeta-氯氰菊酯(zeta-cypermethrin)

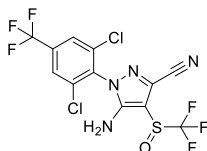


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氟酰脲(novaluron)

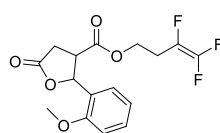
杀虫剂



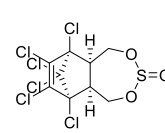
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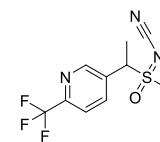
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氟虫腈 (fipronil)



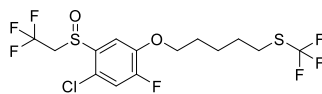
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三氟杀线酯 (trifluenfurate)



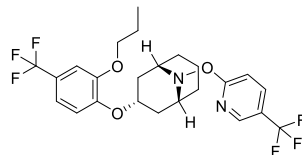
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α-硫丹 (alpha-endosulfan)



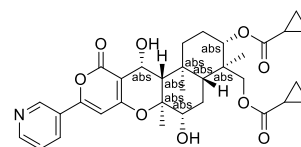
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氟啶虫胺腈 (sulfoxaflor)



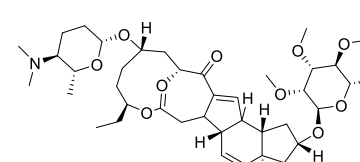
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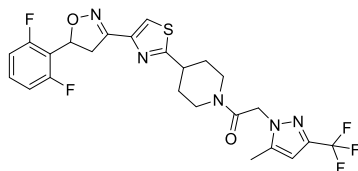
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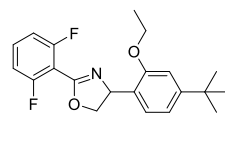
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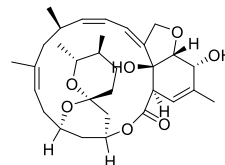
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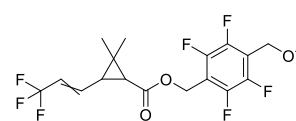
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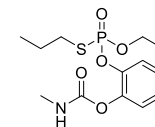
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乙螨唑 (etoxazole)



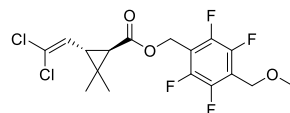
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弥拜菌素 (milbemectin)



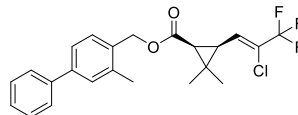
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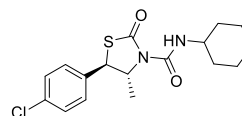
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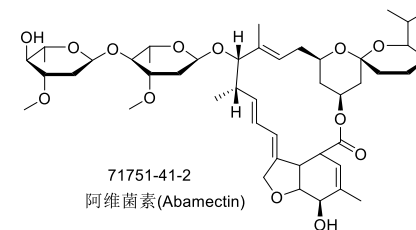
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联苯菊酯 (Bifenthrin)

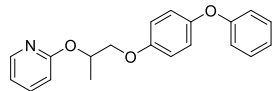


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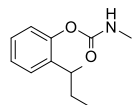


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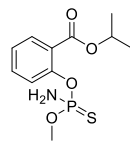
杀虫剂



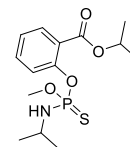
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吡丙醚(pyriproxyfen)



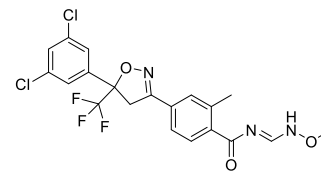
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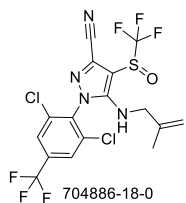
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水胺硫磷(isocarbophos)



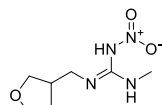
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甲基异柳磷(isufenphos-methyl)



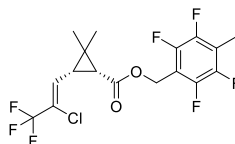
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氟噁唑酰胺(fluxametamide)



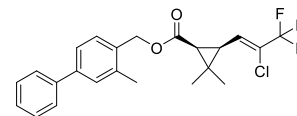
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丁烯氟虫腈(tefluprole)



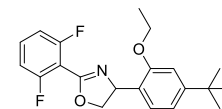
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呋虫胺(dinotefuran)



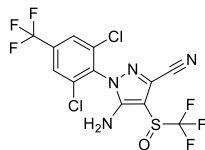
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七氟菊酯(tefluthrin)



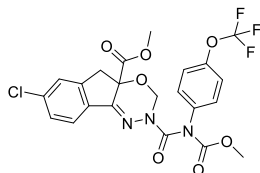
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联苯菊酯(bifenthrin)



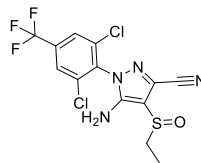
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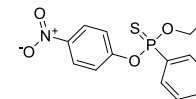
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氟虫腈(fipronil)



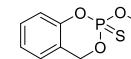
144171-61-9
茚虫威(indoxacarb)



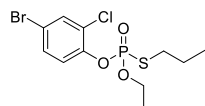
181587-01-9
乙虫腈(ethiprole)



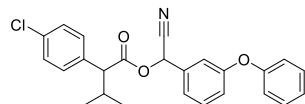
2104-64-5
苯硫磷(epn)



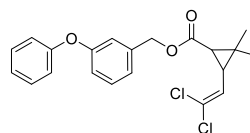
3811-49-2
蔬果磷(salithion)



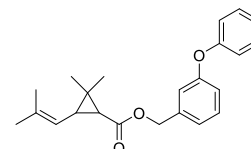
41198-08-7
丙溴磷(profenofos)



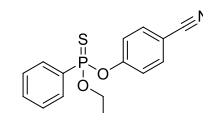
51630-58-1
氰戊菊酯(fenvalerate)



52645-53-1
氯菊酯(permethrin)

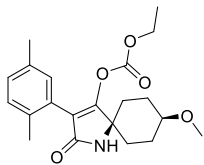


26002-80-2
苯醚菊酯(phenothrin epno)



13067-93-1
苯腈磷(cyanofenphos)

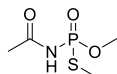
杀虫剂



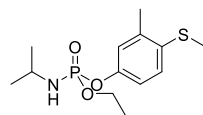
203313-25-1
螺虫乙酯(Spirotetramat)



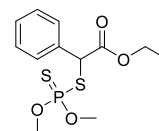
10265-92-6
甲胺磷(methamidophos)



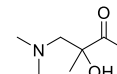
30560-19-1
乙酰甲胺磷(acephate)



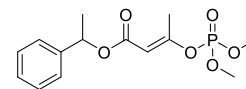
22224-92-6
苯线磷(fenamiphos)



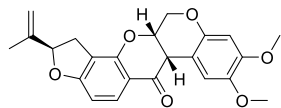
2597-03-7
稻丰散(phenthoate)



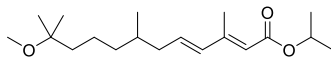
994-22-9
地磷丁烯酯(fonofos)



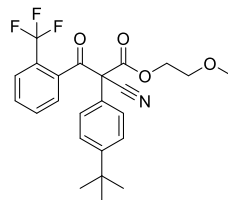
7700-17-6
巴毒磷(crotoxyphos)



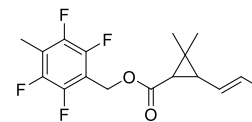
83-79-4
鱼藤酮 (Rotenone)



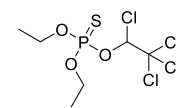
40596-69-8
烯虫酯(methoprene)



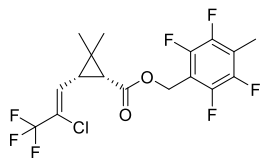
400882-07-7
丁氟螨酯(cyflumetofen)



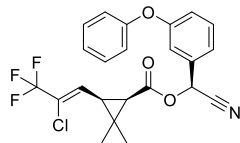
223419-20-3
丙氟菊酯(profluthrin)



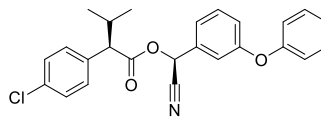
54593-83-8
氯氧磷(chlorethoxyfos)



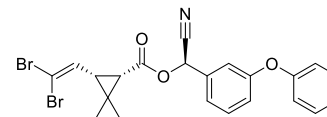
79538-32-2
七氟菊酯(Tefluthrin)



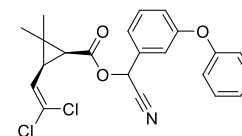
91465-08-6
高效氯氟氰菊酯(Lambda-cyhalothrin)



66230-04-4
S-氰戊菊酯(Esfenvalerate)

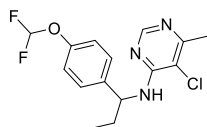


52918-63-5
溴氰菊酯 (Deltamethrin)

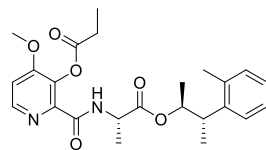


67375-30-8
顺式氯氟菊酯(Alpha-Cypermethrin)

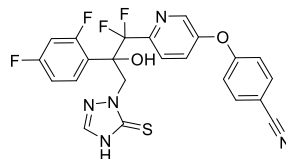
杀菌剂



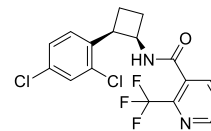
130339-07-0
氟啶菌胺(diflumetorim)



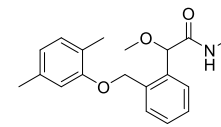
2376210-14-7
吡啉草酰胺(metarylpicoxamid)



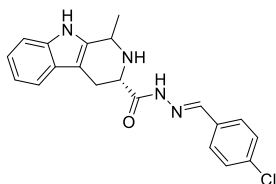
2046300-61-0
氟吡菌唑(fluoxytioconazole)



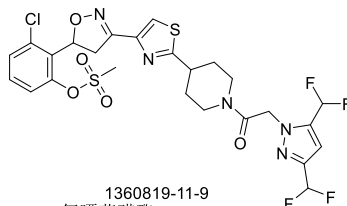
1460292-16-3
三氟吡啉胺(cyclobutrifluram)



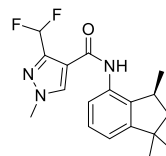
173662-97-0
甲苯醚菌酯(mandestrobin)



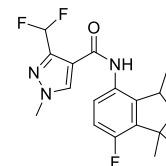
2442449-10-5
氯啉唑酰胺(chloroconazole)



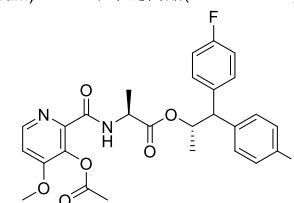
1360819-11-9
氟啉菌磺酯(fluoxapirolin)



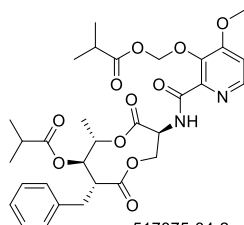
1352994-67-2
茚吡菌胺(inpyrflumax)



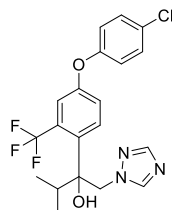
1383809-87-7
氟茚唑菌胺(fluindapyr)



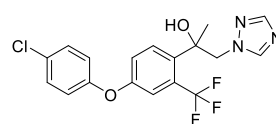
1961312-55-9
二氟苯菌胺(florylpicoxamid)



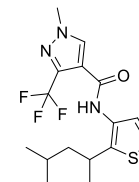
517875-34-2
吡啉菌胺(fenpicoxamid)



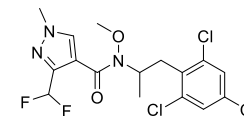
1417782-08-1
异三氟菌唑(ipfentrifluconazole)



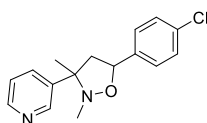
1417782-03-6
氟醚菌唑(mefentrifluconazole)



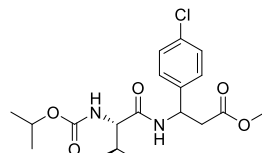
183675-82-3
吡噻菌胺(penthiopyrad)



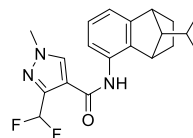
1228284-64-7
氟唑菌酰胺(pydiflumetofen)



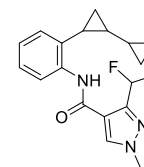
847749-37-5
啉菌噁唑(pyrisoxazole)



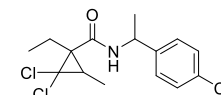
283159-90-0
缬菌胺(valifenalate)



881685-58-1
吡唑萘菌胺(isopyrazam)

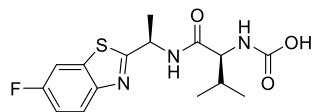


874967-67-6
氟唑环菌胺(sedaxane)

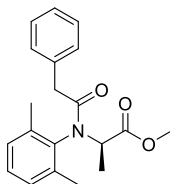


104030-54-8
环丙酰胺(carpropamid)

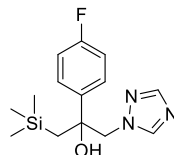
杀菌剂



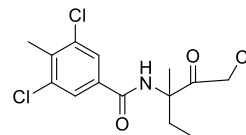
413615-35-7
苯噻菌胺(benthiavalicarb)



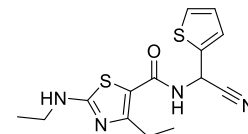
98243-83-5
精苯霜灵(benalaxyl-M)



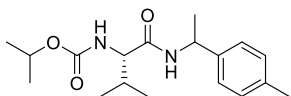
149508-90-7
硅氟唑(simeconazole)



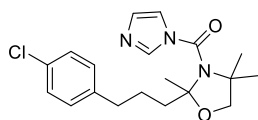
156052-68-5
苯酰菌胺(zoxamide)



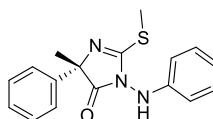
162650-77-3
噁唑菌胺(ethaboxam)



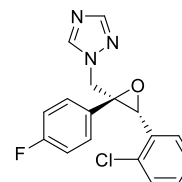
140923-17-7
缙霉威(iprovalcarb)



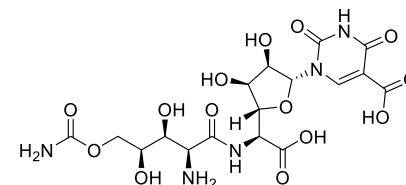
134074-64-9
噁咪唑(oxpoconazole)



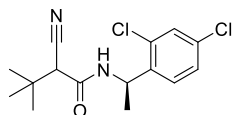
161326-34-7
咪唑菌酮(fenamidone)



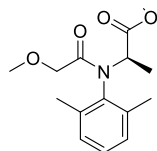
133855-98-8
氟环唑(epoxiconazole)



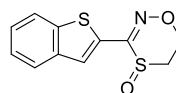
22976-86-9
多抗霉素(polyoxorim)



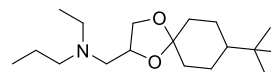
139920-32-4
双氯氰菌胺(diclocymet)



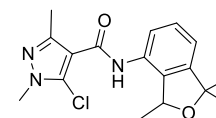
70630-17-0
R-甲霜灵(metalaxyl-M)



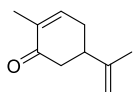
163269-30-5
苯噁唑啉酮(bethoxazin)



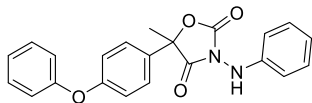
118134-30-8
螺环菌胺(spiroxamine)



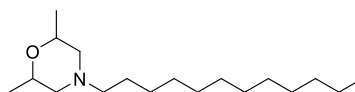
123572-88-3
呋吡菌胺(furametpyr)



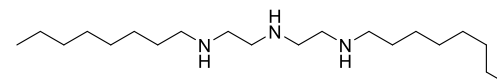
99-49-0
香芹酮(carvone)



131807-57-3
噁唑菌酮(famoxadone)

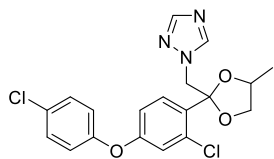


91315-15-0
4-十二烷基-2,5-(或2,6)-二甲基吗啉(aldimorph)

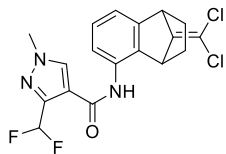


57413-95-3
辛菌胺(seboctylamine)

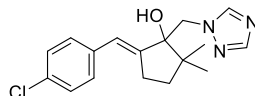
杀菌剂



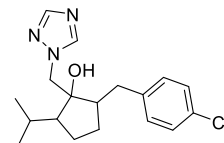
119446-68-3
苯醚甲环唑(difenoconazole)



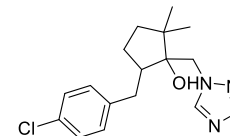
1072957-71-1
苯并烯氟菌唑(benzovindiflupyr)



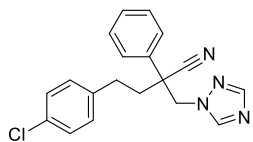
138182-18-0
triticonazole



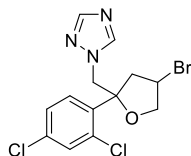
125225-28-7
种菌唑(ipconazole)



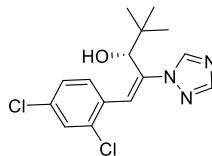
125116-23-6
叶菌唑(metconazole)



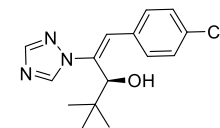
114369-43-6
腈苯唑(fenbuconazole)



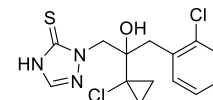
116255-48-2
糠菌唑(bromuconazole)



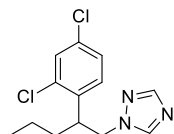
83657-18-5
R-烯唑醇(diniconazole-M)



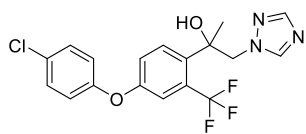
83657-17-4
精烯效唑(uniconazole-P)



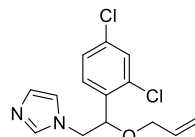
178928-70-6
丙硫菌唑(prothioconazole)



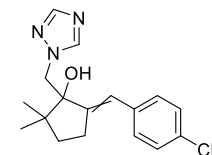
66246-88-6
戊菌唑(penconazole)



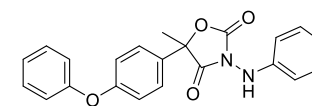
1417782-03-6
氯氟醚菌唑(mefentrifluconazole)



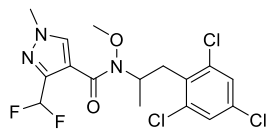
35554-44-0
抑霉唑(imazalil)



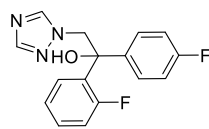
131983-72-7
灭菌唑(triticonazole)



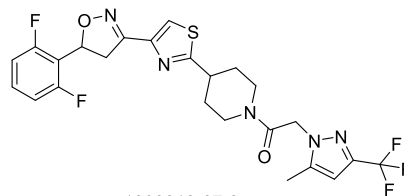
131807-57-3
噁唑菌酮(famoxadone)



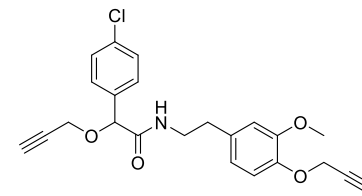
1228284-64-7
氟唑菌酰胺(pydiflumetofen)



76674-21-0
粉唑醇(flutriafol)

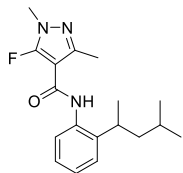


1003318-67-9
氟噻唑吡乙酮(oxathiapropilin)

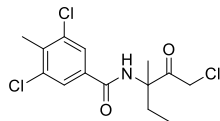


374726-62-2
双炔酰菌胺(mandipropamid)

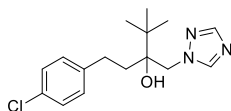
杀菌剂



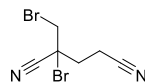
494793-67-8
氟唑菌苯胺(penflufen)



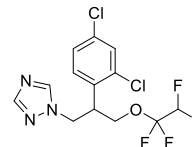
156052-68-5
苯酰菌胺(zoxamide)



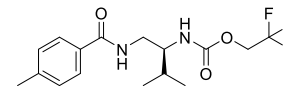
107534-96-3
戊唑醇(tebuconazole)



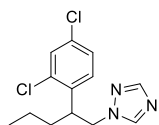
35691-65-7
溴菌腈(bromothalonil)



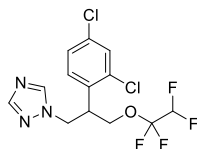
112281-77-3
四氟醚唑(tetraconazole)



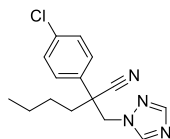
911499-62-2
三氟甲氧威(tolprocarb)



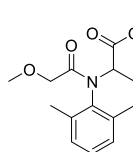
66246-88-6
戊菌唑(penconazole)



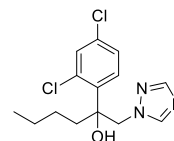
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四氟醚唑(tetraconazole)



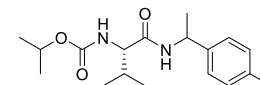
88671-89-0
腈菌唑(myclobutanil)



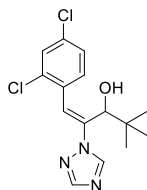
57837-19-1
甲霜灵(metalaxyl)



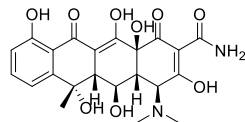
79983-71-4
己唑醇(hexaconazole)



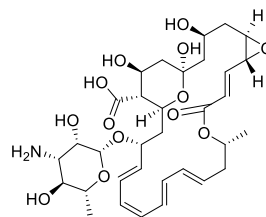
140923-17-7
缙霉威(iprovalcarb)



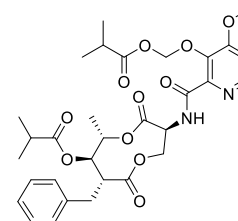
83657-24-3
烯唑醇(diniconazole)



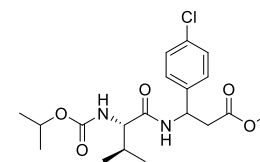
79-57-2
土霉素(oxytetracycline)



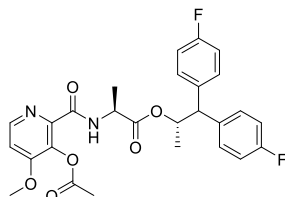
7681-93-8
纳他霉素(natamycin)



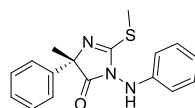
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吡啶菌胺(fenpicoxamid)



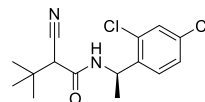
283159-90-0
缙菌胺(valifenalate)



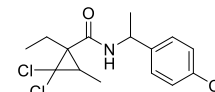
1961312-55-9
二氟苯菌胺(florypicoxamid)



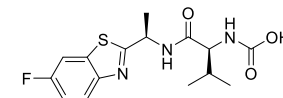
161326-34-7
咪唑菌酮(fenamidone)



139920-32-4
双氯氰菌胺(diclocymet)

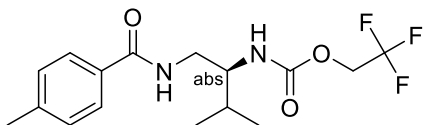


104030-54-8
环丙酰菌胺(carpropamid)

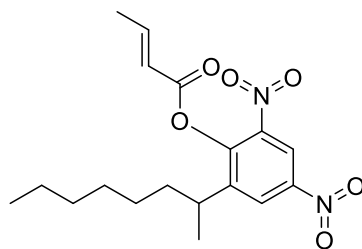


413615-35-7
苯噻菌胺(benthiavalcarb)

杀菌剂

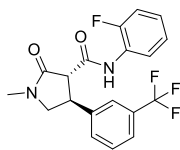


911499-62-2
三氟甲氧威(tolprocarb)

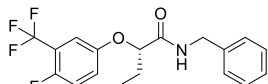


131-72-6
硝苯菌酯(meptyldinocap)

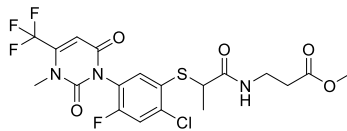
除草剂



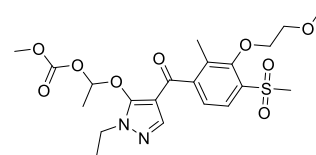
2053901-33-8
tetflupyrolimet



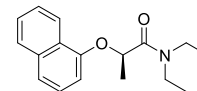
113614-09-8
精氟丁酰草胺(beflubutamid-M)



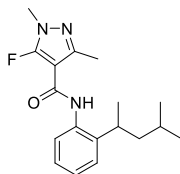
1220411-29-9
氟嘧硫草酯(tiafenacil)



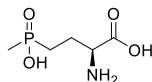
1101132-67-5
吡唑草酯(tolpyralate)



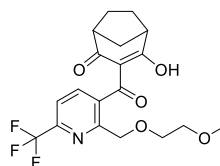
41643-35-0
R-左旋敌草胺(napropamide-M)



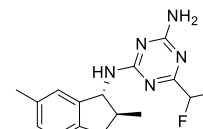
494793-67-8
氟唑菌苯胺(penflufen)



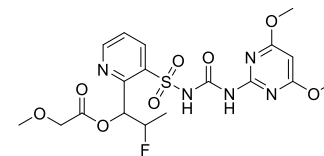
35597-44-5
精草铵膦(glufosinate-P)



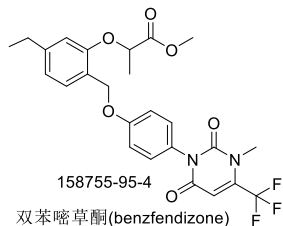
352010-68-5
氟吡草酮(bicycloprone)



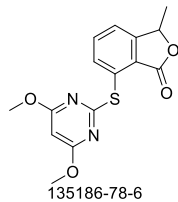
950782-86-2
茚嗪氟草胺(indaziflam)



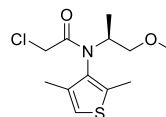
412928-75-7
氟吡磺隆(flucetosulfuron)



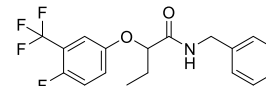
158755-95-4
双苯嘧草酮(benzfendizone)



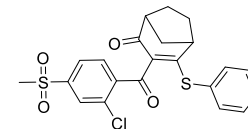
135186-78-6
环酯草醚(pyriftalid)



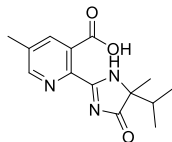
163515-14-8
精二甲吩草胺(dimethenamid-P)



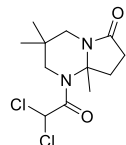
113614-08-7
氟丁酰草胺(beflubutamid)



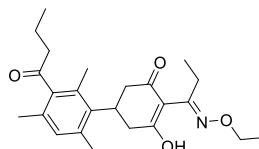
156963-66-5
双环磺草酮 (benzobicyclon)



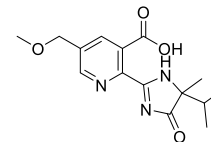
104098-48-8
甲咪唑烟酸(imazapic)



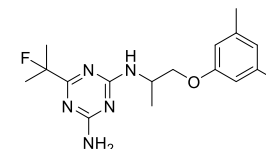
79260-71-2
二环咯酮(dicyclonon)



138164-12-2
丁苯草酮(butroxydim)

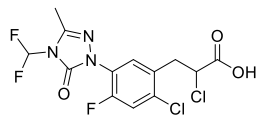


114311-32-9
甲氧咪草烟(imazamox)



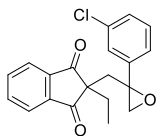
131475-57-5
三嗪氟草胺(triaziflam)

除草剂



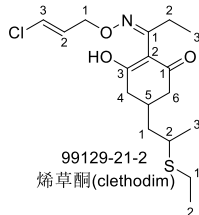
128621-72-7

唑草酮(carfentrazone)



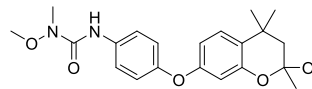
133220-30-1

茚草酮(indanofan)



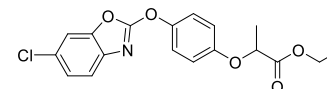
99129-21-2

烯草酮(clethodim)



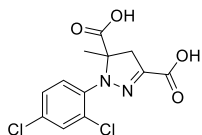
111578-32-6

吡喃隆(metobenzuron)



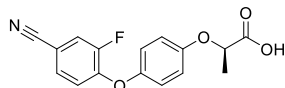
66441-23-4

噁唑禾草灵(fenoxaprop-ethyl)



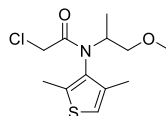
135591-00-3

吡唑解草酸(mefenpyr)



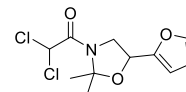
122008-78-0

氰氟草酯(cyhalofop)



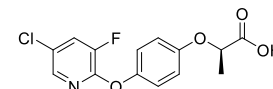
87674-68-8

二甲吩草胺(dimethenamid)



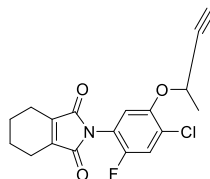
121776-33-8

解草噁唑(furilazole)



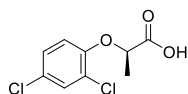
114420-56-3

炔草酸(clodinafop)



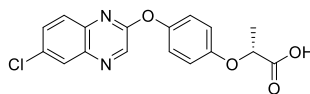
84478-52-4

炔草胺(flumipropyn)



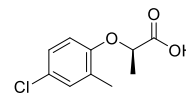
15165-67-0

精2,4-滴丙酸 (dichlorprop-P)



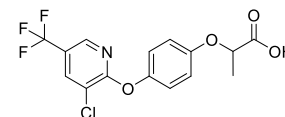
94051-08-8

精喹禾灵酸(quizalofop-P)



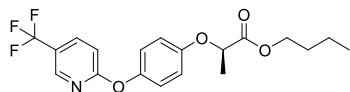
16484-77-8

精2甲4氯丙酸(mecoprop-p)



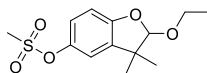
69806-34-4

氟吡禾灵(haloxyfop)



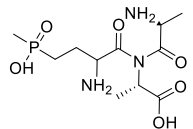
79241-46-6

精吡氟禾草灵(fusilade)



26225-79-6

乙氧呋草黄(ethofumesate)



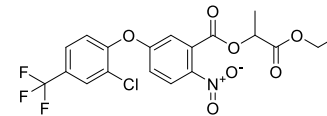
35597-43-4

双丙氨膦酸(Bialaphos)



79-05-0

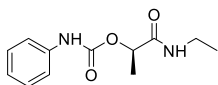
丙酰胺(propionamide)



77501-63-4

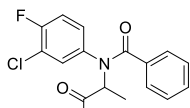
乳氟禾草灵(lactofen)

除草剂



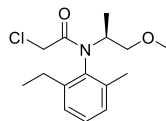
16118-49-3

双酰草胺(Carbetamide)



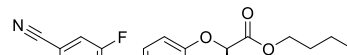
52756-25-9

麦草氟甲酯(Flamprop-methyl)



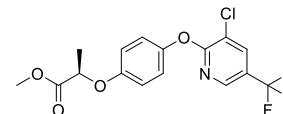
87392-12-9

精异丙甲草胺(S-metolachlor)



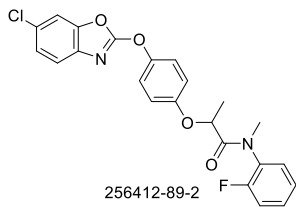
122008-85-9

氰氟草酯(Cyhalofop-butyl)



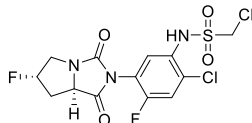
72619-32-0

高效氟吡甲禾灵(Haloxyfop-P-methyl)



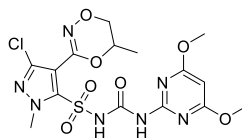
256412-89-2

噁唑酰草胺(metamifop)



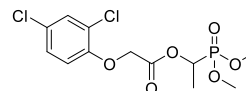
190314-43-3

氟唑草胺(proflumizoxon)



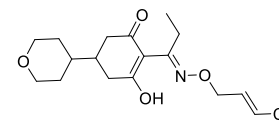
868680-84-6

噁唑啉磺隆(metazosulfuron)



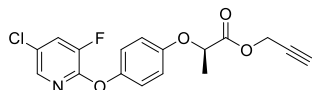
215655-76-8

氯酰草膦(clacyfos)



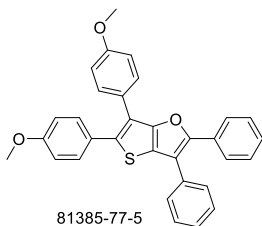
149979-41-9

吡喃草酮(tepraloxym)



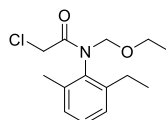
105512-06-9

炔草酯(Clodinafop-propargyl)



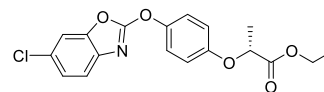
81385-77-5

咪唑乙烟酸(imazethapyr)



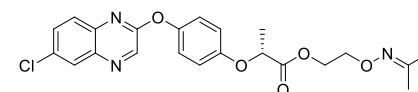
34256-82-1

乙草胺(acetochlor)



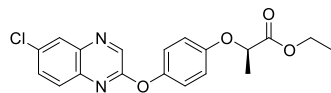
71283-80-2

精噁唑禾草灵(Fenoxaprop P-ethyl)



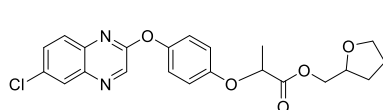
111479-05-1

噁草酸(Propaquizafop)



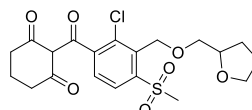
100646-51-3

精喹禾灵(Quizalofop-P-ethyl)



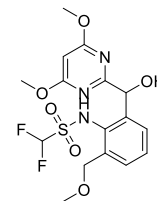
119738-06-6

喹禾糠酯(Quizalofop-tefuryl)



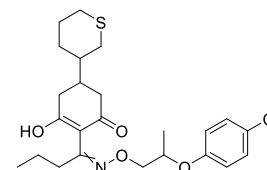
473278-76-1

呋喃磺草酮(tefuryltrione)



221205-90-9

嘧氟磺草胺(pyrimisulfan)



139001-49-3

环苯草酮(profoxydim)