

# Application News

## No. C135

LC/MS  
Liquid Chromatography Mass Spectrometry

### LC/MS/MS による農薬分析を支援： Shimadzu Pesticide MRM Library

Shimadzu Pesticide MRM Library Support for LC/MS/MS [LCMS-8050, LCMS-8060]

近年増加している LC/MS/MS を用いた分析業務を支援するため、Shimadzu Pesticide MRM Library（農薬 766 成分 MRM 情報リスト）を作成しました。

本ライブラリは、農薬 766 成分の標準品を使って作られ、LCMS-8050 と LCMS-8060 を用いて検証されました。

本ライブラリには、以下の情報が含まれます。

- ・ 計 6000 個以上の MRM トランジション
  - 1 成分あたり平均 8 MRM トランジション
  - 最適化されたコリジョンエネルギー、電圧値
- ・ 化合物名（日・英・中）、CAS 番号、化学式、用途、モノアイソトピック質量、付加イオン質量、MRM トランジションのランク、別名、InChI、InChIKey、様々なウェブサイトへのリンク情報（alanwood.net, PAN pesticide database, Chemical Book, ChemSpider）など

本ライブラリは、効率的な新規メソッド作成だけでなく、農薬の特性を調べる際にも、お役立ていただけます。

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### ■ Shimadzu Pesticide MRM Library の使い方

#### Using the Shimadzu Pesticide MRM Library

ライブラリから、対象農薬とトランジションを選び、必要なパラメータを LabSolutions LCMS のメソッドにコピー & ペーストしていただくだけで、複数成分を対象とした一斉分析メソッドはもちろん、対象成分を絞った分析用のメソッドも効率的に作成することができます。

ライブラリの MRM トランジションは標準試料を用いて最適化されたものなので、スクリーニング分析や定量分析をすぐに始めていただけます。

Table 1 Shimadzu Pesticide MRM Library  
農薬 766 成分の情報が含まれます。メソッド作成と農薬の情報検索にお役立ていただけます。  
The Shimadzu Pesticide MRM Library supports a list of 766 compounds. Designed to build extended LC/MS/MS methods quickly and to review pesticide information easily.

#### ライブラリに含まれる情報

化合物情報	化合物名(日・英・中) 別名 CAS番号 化学式 モノアイソトピック質量 各イオン種([M + H] <sup>+</sup> , [M + Na] <sup>+</sup> , [M + K] <sup>+</sup> , [M + NH <sub>4</sub> ] <sup>+</sup> , [M - H] <sup>-</sup> )の理論値 用途 InChI InChIKey
MSパラメータ	イオン化モード Q1 (m/z) Q3 (m/z) Q1 Pre Bias コリジョンエネルギー Q3 Pre Bias
ウェブサイトへのリンク	Alanwood.net PAN Pesticide Database Chemical Book ChemSpider

化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション 数
1 (E)-Fenpyroximate	134098-61-6	C24H27N3O4	421.2002	422.2075	420.1929	ESI+	6
2 (E)-Ferimzone	89269-64-7	C15H18N4	254.1531	255.1604	253.1458	ESI+	2
3 (Z)-Fenpyroximate	149054-53-5	C24H27N3O4	421.2002	422.2075	420.1929	ESI+	2
4 (Z)-Ferimzone	89269-64-7	C15H18N4	254.1531	255.1604	253.1458	ESI+	6
5 1-(3, 4-Dichlorophenyl)-3-methylurea	3567-62-2	C8H8Cl2N2O	218.0014	219.0087	216.9941	ESI+	19
6 1-(3, 4-Dichlorophenyl)urea	2327-02-8	C7H6Cl2N2O	203.9857	204.9930	202.9784	ESI+	17
7 1-(4-Isopropylphenyl)-3-methylurea	34123-57-4	C11H16N2O	192.1263	193.1336	191.1190	ESI+	6
8 1-(4-Isopropylphenyl)urea	56046-17-4	C10H14N2O	178.1106	179.1179	177.1033	ESI+	6
9 1-naphthaleneacetamide	86-86-2	C12H11NO	185.0841	186.0914	184.0768	ESI-	4
10 1-Naphthaleneacetic Acid	86-87-3	C12H10O2	186.0681	187.0754	185.0608	ESI-	1
11 2, 4, 5-T	93-76-5	C8H5Cl3O3	253.9304	254.9377	252.9231	ESI-	7
12 2, 4, 6-Tribromophenol	118-79-6	C6H3Br3O	327.7734	328.7807	326.7661	ESI+	10
13 2, 4, 6-Trichlorophenol	88-06-2	C6H3Cl3O	195.9249	196.9322	194.9176	ESI-	3
14 2, 4-D (2, 4-PA)	94-75-7	C8H6Cl2O3	219.9694	220.9767	218.9621	ESI-	7
15 2, 4-DB	94-82-6	C10H10Cl2O3	248.0007	249.0080	246.9934	ESI-	5
16 2, 4-dimethylaniline	95-68-1	C8H11N	121.0891	122.0964	120.0818	ESI+	5
17 2, 6-Dichlorobenzamide	2008-58-4	C7H5Cl2NO	188.9748	189.9821	187.9675	ESI+	13
18 2-Naphthoxy acetic acid	120-23-0	C12H10O3	202.0630	203.0703	201.0557	ESI-	2
19 2-Phenylphenol	90-43-7	C12H10O	170.0732	171.0805	169.0659	ESI-	2
20 3-(3-Indolyl)-propionic acid	830-96-6	C11H11NO2	189.0790	190.0863	188.0717	ESI+	6
21 3, 4, 5-Trimethacarb	2686-99-9	C11H15NO2	193.1103	194.1176	192.1030	ESI+	12
22 3-Indolyl-acetic acid	87-51-4	C10H9NO2	175.0633	176.0706	174.0560	ESI+	12
23 3-Methylphosphinopropionic acid	15090-23-0	C4H9O4P	152.0238	153.0311	151.0165	ESI+	12
24 4-(3-Indolyl)-butyric acid	133-32-4	C12H13NO2	203.0946	204.1019	202.0873	ESI+	14
25 4-Chlorophenoxyacetic acid	122-88-3	C8H7ClO3	186.0084	187.0157	185.0011	ESI-	4
26 6-chloro-3-phenylpyridazin-4-ol	40020-01-7	C10H7ClN2O	206.0247	207.0320	205.0174	ESI+	6
27 6-Furfurylaminopurine	525-79-1	C10H9N5O	215.0807	216.0880	214.0734	ESI+	9
28 Acephate	30560-19-1	C4H10NO3PS	183.0119	184.0192	182.0046	ESI+	6
29 Acequinocyl	57960-19-7	C24H32O4	384.2301	385.2374	383.2228	ESI+	6
30 Acetamidiprid	135410-20-7	C10H11ClN4	222.0672	223.0745	221.0599	ESI+	10
31 Acibenzolar-S-methyl	135158-54-2	C8H6N2OS2	209.9922	210.9995	208.9849	ESI+	6
32 Acifluorfen	50594-66-6	C14H7ClF3NO5	360.9965	362.0038	359.9892	ESI-	12
33 Aclonifen	74070-46-5	C12H9ClN2O3	264.0302	265.0375	263.0229	ESI+	2
34 Acrinathrin	101007-06-1	C26H21F6NO5	541.1324	542.1397	540.1251	ESI+	12
35 Alachlor	15972-60-8	C14H20ClNO2	269.1183	270.1256	268.1110	ESI+	12
36 Alanycarb	83130-01-2	C17H25N3O4S2	399.1286	400.1359	398.1213	ESI+	6
37 Aldicarb	116-06-3	C7H14N2O2S	190.0776	191.0849	189.0703	ESI+	5
38 Aldicarb-sulfone (Aldoxycarb)	1646-88-4	C7H14N2O4S	222.0674	223.0747	221.0601	ESI+	5
39 Aldicarb-sulfoxide	1646-87-3	C7H14N2O3S	206.0725	207.0798	205.0652	ESI+	8
40 Allethrin	584-79-2	C19H26O3	302.1882	303.1955	301.1809	ESI+	12
41 Allidochlor	93-71-0	C8H12ClNO	173.0607	174.0680	172.0534	ESI+	12
42 Ametoctradin	865318-97-4	C15H25N5	275.2110	276.2183	274.2037	ESI+	6
43 Ametryn	834-12-8	C9H17N5S	227.1205	228.1278	226.1132	ESI+	6
44 Amidosulfuron	120923-37-7	C9H15N5O7S2	369.0413	370.0486	368.0340	ESI+	8
45 Aminocarb	2032-59-9	C11H16N2O2	208.1212	209.1285	207.1139	ESI+	6
46 Aminopyralid	150114-71-9	C6H4Cl2N2O2	205.9650	206.9723	204.9577	ESI+	7
47 Amisulbrom	348635-87-0	C13H13BrFN5O4S2	464.9576	465.9649	463.9503	ESI+	10
48 Amitraz	33089-61-1	C19H23N3	293.1892	294.1965	292.1819	ESI+	2
49 Amitrole	61-82-5	C2H4N4	84.0436	85.0509	83.0363	ESI+	5
50 AMPA	1066-51-9	CH6NO3P	111.0085	112.0158	110.0012	ESI-	3
51 Ancymidol	12771-68-5	C15H16N2O2	256.1212	257.1285	255.1139	ESI+	6
52 Anilazine	101-05-3	C9H5Cl3N4	273.9580	274.9653	272.9507	ESI+	12
53 Anilofos	64249-01-0	C13H19ClNO3PS2	367.0232	368.0305	366.0159	ESI+	12
54 Aramite	140-57-8	C15H23ClO4S	334.1006	335.1079	333.0933	ESI+	12
55 Asulam	3337-71-1	C8H10N2O4S	230.0361	231.0434	229.0288	ESI+	9
56 Atraton	1610-17-9	C9H17N5O	211.1433	212.1506	210.1360	ESI+	6
57 Atrazine	1912-24-9	C8H14ClN5	215.0938	216.1011	214.0865	ESI+	8
58 Atrazine-2-hydroxy	2163-68-0	C8H15N5O	197.1277	198.1350	196.1204	ESI+	6
59 Atrazine-desethyl	6190-65-4	C6H10ClN5	187.0625	188.0698	186.0552	ESI+	9
60 Atrazine-desethyl-2-hydroxy	19988-24-0	C6H11N5O	169.0964	170.1037	168.0891	ESI+	5
61 Atrazine-desisopropyl	1007-28-9	C5H8ClN5	173.0468	174.0541	172.0395	ESI+	10
62 Avermectin B1a	65195-55-3	C48H72O14	872.4922	873.4995	871.4849	ESI+	4
63 Avermectin B1b	65195-56-4	C47H70O14	858.4766	859.4839	857.4693	ESI+	3
64 Azaconazole	60207-31-0	C12H11Cl2N3O2	299.0228	300.0301	298.0155	ESI+	8
65 Azadirachtin	11141-17-6	C35H44O16	720.2629	721.2702	719.2556	ESI+	8
66 Azamethiphos	35575-96-3	C9H10ClN2O5PS	323.9737	324.9810	322.9664	ESI+	11
67 Azimsulfuron	120162-55-2	C13H16N10O5S	424.1026	425.1099	423.0953	ESI+	5
68 Azinphos-ethyl	2642-71-9	C12H16N3O3PS2	345.0371	346.0444	344.0298	ESI+	5
69 Azinphos-methyl	86-50-0	C10H12N3O3PS2	317.0058	318.0131	315.9985	ESI+	6
70 Aziprotryne	4658-28-0	C7H11N7S	225.0797	226.0870	224.0724	ESI+	4
71 Azobenzene	103-33-3	C12H10N2	182.0844	183.0917	181.0771	ESI+	2
72 Azoxystrobin	131860-33-8	C22H17N3O5	403.1168	404.1241	402.1095	ESI+	5
73 Barban	101-27-9	C11H9Cl2NO2	257.0010	258.0083	255.9937	ESI+	11
74 Beflubutamid	113614-08-7	C18H17F4NO2	355.1195	356.1268	354.1122	ESI+	10
75 Benalaxyl	71626-11-4	C20H23NO3	325.1678	326.1751	324.1605	ESI+	6

	化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション数
76	Benazolin	3813-05-6	C9H6ClNO3S	242.9757	243.9830	241.9684	ESI+	6
77	Benazolin-ethyl	25059-80-7	C11H10ClNO3S	271.0070	272.0143	269.9997	ESI+	18
78	Bendiocarb	22781-23-3	C11H13NO4	223.0845	224.0918	222.0772	ESI+	6
79	Benfuracarb	82560-54-1	C20H30N2O5S	410.1875	411.1948	409.1802	ESI+	5
80	Benfuresate	68505-69-1	C12H16O4S	256.0769	257.0842	255.0696	ESI+	2
81	Benodanil	15310-01-7	C13H10INO	322.9807	323.9880	321.9734	ESI+	6
82	Benoxacor	98730-04-2	C11H11Cl2NO2	259.0167	260.0240	258.0094	ESI+	17
83	Bensulfuron-methyl	83055-99-6	C16H18N4O7S	410.0896	411.0969	409.0823	ESI+	6
84	Bensulide	741-58-2	C14H24NO4PS3	397.0605	398.0678	396.0532	ESI+	9
85	Bentazone	25057-89-0	C10H12N2O3S	240.0569	241.0642	239.0496	ESI-	5
86	Benthiavalicarb-isopropyl	177406-68-7	C18H24FN3O3S	381.1522	382.1595	380.1449	ESI+	5
87	Benthiazole	21564-17-0	C9H6N2S3	237.9693	238.9766	236.9620	ESI+	6
88	Benzanilide	93-98-1	C13H11NO	197.0841	198.0914	196.0768	ESI+	4
89	Benzofenap	82692-44-2	C22H20Cl2N2O3	430.0851	431.0924	429.0778	ESI+	2
90	Benzoximate	29104-30-1	C18H18ClNO5	363.0874	364.0947	362.0801	ESI+	12
91	Benzoylprop-ethyl	22212-55-1	C18H17Cl2NO3	365.0585	366.0658	364.0512	ESI+	6
92	Benzthiazuron	1929-88-0	C9H9N3OS	207.0466	208.0539	206.0393	ESI+	9
93	Benzyl dimethyldodecylammonium	139-07-1	C21H37N	303.2926	304.2999	302.2853	ESI+	4
94	Benzyl dimethylhexadecylammonium	122-18-9	C25H45N	359.3552	360.3625	358.3479	ESI+	3
95	Benzyl dimethyltetradecylammonium	139-08-2	C23H41N	331.3239	332.3312	330.3166	ESI+	3
96	Bifenazate	149877-41-8	C17H20N2O3	300.1474	301.1547	299.1401	ESI+	6
97	Bifenox	42576-02-3	C14H9Cl2NO5	340.9858	341.9931	339.9785	ESI+	8
98	Bifenthrin	82657-04-3	C23H22ClF3O2	422.1260	423.1333	421.1187	ESI+	5
99	Bioresmethrin	28434-01-7	C22H26O3	338.1882	339.1955	337.1809	ESI+	6
100	Bispyribac-sodium	125401-92-5	C19H17N4NaO8	452.0944	453.1017	451.0871	ESI+	8
101	Bitertanol	55179-31-2	C20H23N3O2	337.1790	338.1863	336.1717	ESI+	6
102	Bixafen	581809-46-3	C18H12Cl2F3N3O	413.0310	414.0383	412.0237	ESI+	12
103	Boscalid	188425-85-6	C18H12Cl2N2O	342.0327	343.0400	341.0254	ESI+	12
104	Brodifacoum	56073-10-0	C31H23BrO3	522.0831	523.0904	521.0758	ESI+	12
105	Bromacil	314-40-9	C9H13BrN2O2	260.0160	261.0233	259.0087	ESI+	9
106	Bromadiolone	28772-56-7	C30H23BrO4	526.0780	527.0853	525.0707	ESI-	12
107	Bromfeninfos	33399-00-7	C12H14BrCl2O4P	401.9190	402.9263	400.9117	ESI+	17
108	Bromobutide	74712-19-9	C15H22BrNO	311.0885	312.0958	310.0812	ESI+	10
109	Bromophos-ethyl	4824-78-6	C10H12BrCl2O3PS	391.8805	392.8878	390.8732	ESI+	3
110	Bromophos-methyl	2104-96-3	C8H8BrCl2O3PS	363.8492	364.8565	362.8419	ESI+	6
111	Bromoxynil	1689-84-5	C7H3Br2NO	274.8581	275.8654	273.8508	ESI-	11
112	Bromuconazole	116255-48-2	C13H12BrCl2N3O	374.9541	375.9614	373.9468	ESI+	11
113	Bupirimate	41483-43-6	C13H24N4O3S	316.1569	317.1642	315.1496	ESI+	6
114	Buprofezin	69327-76-0	C16H23N3OS	305.1562	306.1635	304.1489	ESI+	6
115	Butachlor	23184-66-9	C17H26ClNO2	311.1652	312.1725	310.1579	ESI+	12
116	Butafenacil	134605-64-4	C20H18ClF3N2O6	474.0805	475.0878	473.0732	ESI+	10
117	Butamifos	36335-67-8	C13H21N2O4PS	332.0960	333.1033	331.0887	ESI+	12
118	Butocarboxim	34681-10-2	C7H14N2O2S	190.0776	191.0849	189.0703	ESI+	3
119	Butocarboxim-sulfone	34681-23-7	C7H14N2O4S	222.0674	223.0747	221.0601	ESI+	14
120	Butocarboxim-sulfoxide	34681-24-8	C7H14N2O3S	206.0725	207.0798	205.0652	ESI+	6
121	Butralin	33629-47-9	C14H21N3O4	295.1532	296.1605	294.1459	ESI+	6
122	Buturon	3766-60-7	C12H13ClN2O	236.0716	237.0789	235.0643	ESI+	9
123	Butylate	2008-41-5	C11H23NOS	217.1500	218.1573	216.1427	ESI+	3
124	Cadusafos	95465-99-9	C10H23O2PS2	270.0877	271.0950	269.0804	ESI+	5
125	Cafenstrole	125306-83-4	C16H22N4O3S	350.1413	351.1486	349.1340	ESI+	3
126	Captafol	2425-06-1	C10H9Cl4NO2S	346.9108	347.9181	345.9035	ESI+	1
127	Carbaryl (NAC)	63-25-2	C12H11NO2	201.0790	202.0863	200.0717	ESI+	6
128	Carbendazim	10605-21-7	C9H9N3O2	191.0695	192.0768	190.0622	ESI+	5
129	Carbetamide	16118-49-3	C12H16N2O3	236.1161	237.1234	235.1088	ESI+	6
130	Carbofuran	1563-66-2	C12H15NO3	221.1052	222.1125	220.0979	ESI+	6
131	Carbofuran-3-hydroxy (3-Hydroxycarbofuran)	16655-82-6	C12H15NO4	237.1001	238.1074	236.0928	ESI+	12
132	Carbofuran-3-keto	16709-30-1	C12H13NO4	235.0845	236.0918	234.0772	ESI+	12
133	Carbophenothion	786-19-6	C11H16ClO2PS3	341.9739	342.9812	340.9666	ESI+	9
134	Carbosulfan	55285-14-8	C20H32N2O3S	380.2134	381.2207	379.2061	ESI+	6
135	Carboxin	5234-68-4	C12H13NO2S	235.0667	236.0740	234.0594	ESI+	6
136	Carfentrazone-ethyl	128639-02-1	C15H14Cl2F3N3O3	411.0364	412.0437	410.0291	ESI+	5
137	Carpropamid	104030-54-8	C15H18Cl3NO	333.0454	334.0527	332.0381	ESI+	18
138	Cartap	15263-53-3	C7H15N3O2S2	237.0606	238.0679	236.0533	ESI+	3
139	Chinomethionat	2439-01-2	C10H6N2OS2	233.9922	234.9995	232.9849	ESI+	6
140	Chloramphenicol	56-75-7	C11H12Cl2N2O5	322.0123	323.0196	321.0050	ESI-	17
141	Chlorantraniliprole	500008-45-7	C18H14BrCl2N5O2	480.9708	481.9781	479.9635	ESI+	28
142	Chlorbromuron	13360-45-7	C9H10BrClN2O2	291.9614	292.9687	290.9541	ESI+	12
143	Chlorbufam	1967-16-4	C11H10ClNO2	223.0400	224.0473	222.0327	ESI+	4
144	Chlordimeform	6164-98-3	C10H13ClN2	196.0767	197.0840	195.0694	ESI+	12
145	Chlorfenvinphos	470-90-6	C12H14Cl3O4P	357.9695	358.9768	356.9622	ESI+	12
146	Chlorfluaazuron	71422-67-8	C20H9Cl3F5N3O3	538.9630	539.9703	537.9557	ESI+	17
147	Chloridazon	1698-60-8	C10H8ClN3O	221.0356	222.0429	220.0283	ESI+	11
148	Chlorimuron-ethyl	90982-32-4	C15H15ClN4O6S	414.0401	415.0474	413.0328	ESI+	12
149	Chlormequat-chloride	999-81-5	C5H13Cl2N	157.0425	158.0498	156.0352	ESI+	6
150	Chlorophacinone	3691-35-8	C23H15ClO3	374.0710	375.0783	373.0637	ESI-	15

	化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション 数
151	Chlorotoluron	15545-48-9	C10H13ClN2O	212.0716	213.0789	211.0643	ESI+	8
152	Chloroxuron	1982-47-4	C15H15ClN2O2	290.0822	291.0895	289.0749	ESI+	12
153	Chloroxynil	1891-95-8	C7H3Cl2NO	186.9592	187.9665	185.9519	ESI-	6
154	Chlorpropham	101-21-3	C10H12ClNO2	213.0557	214.0630	212.0484	ESI+	2
155	Chlorpyrifos	2921-88-2	C9H11Cl3NO3PS	348.9263	349.9336	347.9190	ESI+	16
156	Chlorpyrifos-methyl	5598-13-0	C7H7Cl3NO3PS	320.8950	321.9023	319.8877	ESI+	12
157	Chlorpyrifos-oxon	5598-15-2	C9H11Cl3NO4P	332.9491	333.9564	331.9418	ESI+	24
158	Chlorsulfuron	64902-72-3	C12H12ClN5O4S	357.0299	358.0372	356.0226	ESI+	18
159	Chlorthiamid	1918-13-4	C7H5Cl2N5	204.9520	205.9593	203.9447	ESI+	16
160	Chromafenozide	143807-66-3	C24H30N2O3	394.2256	395.2329	393.2183	ESI+	6
161	Cinidon-ethyl	142891-20-1	C19H17Cl2NO4	393.0535	394.0608	392.0462	ESI+	24
162	Cinosulfuron	94593-91-6	C15H19N5O7S	413.1005	414.1078	412.0932	ESI+	6
163	Clethodim	99129-21-2	C17H26ClNO3S	359.1322	360.1395	358.1249	ESI+	10
164	Climbazole	38083-17-9	C15H17ClN2O2	292.0979	293.1052	291.0906	ESI+	9
165	Clodinafop (free acid)	114420-56-3	C14H11ClFNO4	311.0361	312.0434	310.0288	ESI+	8
166	Clodinafop-propargyl	105512-06-9	C17H13ClFNO4	349.0517	350.0590	348.0444	ESI+	12
167	Clofentezine	74115-24-5	C14H8Cl2N4	302.0126	303.0199	301.0053	ESI+	10
168	Clomazone	81777-89-1	C12H14ClNO2	239.0713	240.0786	238.0640	ESI+	8
169	Clomeprop	84496-56-0	C16H15Cl2NO2	323.0480	324.0553	322.0407	ESI+	21
170	Cloprop	101-10-0	C9H9ClO3	200.0240	201.0313	199.0167	ESI-	2
171	Clopyralid	1702-17-6	C6H3Cl2NO2	190.9541	191.9614	189.9468	ESI-	2
172	Cloquintocet-mexyl	99607-70-2	C18H22ClNO3	335.1288	336.1361	334.1215	ESI+	9
173	Cloransulam-methyl	147150-35-4	C15H13ClFN5O5S	429.0310	430.0383	428.0237	ESI+	12
174	Clothianidin	210880-92-5	C6H8ClN5O2S	249.0087	250.0160	248.0014	ESI+	7
175	Coumachlor	81-82-3	C19H15ClO4	342.0659	343.0732	341.0586	ESI+	18
176	Coumaphos	56-72-4	C14H16ClO5PS	362.0145	363.0218	361.0072	ESI+	12
177	Coumatetralyl	5836-29-3	C19H16O3	292.1099	293.1172	291.1026	ESI+	6
178	Crimidine	535-89-7	C7H10ClN3	171.0563	172.0636	170.0490	ESI+	12
179	Crotoxyphos	7700-17-6	C14H19O6P	314.0919	315.0992	313.0846	ESI+	6
180	Crufomate	299-86-5	C12H19ClNO3P	291.0791	292.0864	290.0718	ESI+	12
181	Cumyluron	99485-76-4	C17H19ClN2O	302.1186	303.1259	301.1113	ESI+	2
182	Cyanazine	21725-46-2	C9H13ClN6	240.0890	241.0963	239.0817	ESI+	6
183	Cyanofenphos	13067-93-1	C15H14NO2PS	303.0483	304.0556	302.0410	ESI+	6
184	Cyazofamid	120116-88-3	C13H13ClN4O2S	324.0448	325.0521	323.0375	ESI+	5
185	Cyclanilide	113136-77-9	C11H9Cl2NO3	272.9959	274.0032	271.9886	ESI-	20
186	Cycloate	1134-23-2	C11H21NOS	215.1344	216.1417	214.1271	ESI+	5
187	Cycloheximide	66-81-9	C15H23NO4	281.1627	282.1700	280.1554	ESI+	12
188	Cycloprothrin	63935-38-6	C26H21Cl2NO4	481.0848	482.0921	480.0775	ESI+	2
189	Cyclosulfamuron	136849-15-5	C17H19N5O6S	421.1056	422.1129	420.0983	ESI+	6
190	Cycloxydim	101205-02-1	C17H27NO3S	325.1712	326.1785	324.1639	ESI+	10
191	Cycluron	2163-69-1	C11H22N2O	198.1732	199.1805	197.1659	ESI+	5
192	Cyflufenamid	180409-60-3	C20H17F5N2O2	412.1210	413.1283	411.1137	ESI+	6
193	Cyflumetofen	400882-07-7	C24H24F3NO4	447.1657	448.1730	446.1584	ESI+	8
194	Cyhalofop-butyl	122008-85-9	C20H20FNO4	357.1376	358.1449	356.1303	ESI+	3
195	Cymiazole	61676-87-7	C12H14N2S	218.0878	219.0951	217.0805	ESI+	6
196	Cymoxanil	57966-95-7	C7H10N4O3	198.0753	199.0826	197.0680	ESI+	4
197	Cypermethrin	52315-07-8	C22H19Cl2NO3	415.0742	416.0815	414.0669	ESI+	10
198	Cyphenothrin	39515-40-7	C24H25NO3	375.1834	376.1907	374.1761	ESI+	12
199	Cyproconazole	94361-06-5	C15H18ClN3O	291.1138	292.1211	290.1065	ESI+	10
200	Cyprodinil	121552-61-2	C14H15N3	225.1266	226.1339	224.1193	ESI+	6
201	Cyromazine	66215-27-8	C6H10N6	166.0967	167.1040	165.0894	ESI+	6
202	Daimuron (Dymron)	42609-52-9	C17H20N2O	268.1576	269.1649	267.1503	ESI+	6
203	Dalapon	75-99-0	C3H4Cl2O2	141.9588	142.9661	140.9515	ESI-	10
204	Daminozide	1596-84-5	C6H12N2O3	160.0848	161.0921	159.0775	ESI+	6
205	Dazomet	533-74-4	C5H10N2S2	162.0285	163.0358	161.0212	ESI+	6
206	Deet	134-62-3	C12H17NO	191.1310	192.1383	190.1237	ESI+	2
207	Deltamethrin	52918-63-5	C22H19Br2NO3	502.9732	503.9805	501.9659	ESI+	12
208	Demeton-O	298-03-3	C8H19O3PS2	258.0513	259.0586	257.0440	ESI+	2
209	Demeton-S	126-75-0	C8H19O3PS2	258.0513	259.0586	257.0440	ESI+	3
210	Demeton-S-methyl	919-86-8	C6H15O3PS2	230.0200	231.0273	229.0127	ESI+	2
211	Demeton-S-methyl-sulfone	17040-19-6	C6H15O5PS2	262.0099	263.0172	261.0026	ESI+	6
212	Desmedipham	13684-56-5	C16H16N2O4	300.1110	301.1183	299.1037	ESI+	6
213	Desmetryn	1014-69-3	C8H15N5S	213.1048	214.1121	212.0975	ESI+	4
214	Diafenthuiuron	80060-09-9	C23H32N2O5	384.2235	385.2308	383.2162	ESI+	12
215	Dialifos	10311-84-9	C14H17ClNO4PS2	393.0025	394.0098	391.9952	ESI+	12
216	Diallate	2303-16-4	C10H17Cl2NOS	269.0408	270.0481	268.0335	ESI+	12
217	Diazinon	333-41-5	C12H21N2O3PS	304.1010	305.1083	303.0937	ESI+	6
218	Dicamba	1918-00-9	C8H6Cl2O3	219.9694	220.9767	218.9621	ESI-	2
219	Dichlofenthion	97-17-6	C10H13Cl2O3PS	313.9700	314.9773	312.9627	ESI+	8
220	Dichlofluanid	1085-98-9	C9H11Cl2FN2O2S2	331.9623	332.9696	330.9550	ESI+	11
221	Dichlormid	37764-25-3	C8H11Cl2NO	207.0218	208.0291	206.0145	ESI+	19
222	Dichlorprop	120-36-5	C9H8Cl2O3	233.9850	234.9923	232.9777	ESI-	8
223	Dichlorvos	62-73-7	C4H7Cl2O4P	219.9459	220.9532	218.9386	ESI+	17
224	Diclobutrazol	75736-33-3	C15H19Cl2N3O	327.0905	328.0978	326.0832	ESI+	4
225	Diclofop	40843-25-2	C15H12Cl2O4	326.0113	327.0186	325.0040	ESI-	4

	化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション数
226	Diclofop-methyl	51338-27-3	C16H14Cl2O4	340.0269	341.0342	339.0196	ESI+	12
227	Dicloran	99-30-9	C6H4Cl2N2O2	205.9650	206.9723	204.9577	ESI+	4
228	Diclosulam	145701-21-9	C13H10Cl2FN5O3S	404.9865	405.9938	403.9792	ESI+	9
229	Dicrotophos	141-66-2	C8H16NO5P	237.0766	238.0839	236.0693	ESI+	6
230	Dicyclanil	112636-83-6	C8H10N6	190.0967	191.1040	189.0894	ESI+	6
231	Didecyldimethylammonium	7173-51-5	C22H47N	325.3709	326.3782	324.3636	ESI+	6
232	Diethanolamine	111-42-2	C4H11NO2	105.0790	106.0863	104.0717	ESI+	6
233	Diethofencarb	87130-20-9	C14H21NO4	267.1471	268.1544	266.1398	ESI+	6
234	Difenacoum	56073-07-5	C31H24O3	444.1725	445.1798	443.1652	ESI+	12
235	Difenoconazole	119446-68-3	C19H17Cl2N3O3	405.0647	406.0720	404.0574	ESI+	12
236	Difenoxuron	14214-32-5	C16H18N2O3	286.1317	287.1390	285.1244	ESI+	6
237	Difenzoquat-methyl-sulfate	43222-48-6	C17H16N2	248.1313	249.1386	247.1240	ESI+	6
238	Diflubenzuron	35367-38-5	C14H9ClF2N2O2	310.0321	311.0394	309.0248	ESI+	9
239	Diflufenican	83164-33-4	C19H11F5N2O2	394.0741	395.0814	393.0668	ESI+	12
240	Dimefuron	34205-21-5	C15H19ClN4O3	338.1146	339.1219	337.1073	ESI+	5
241	Dimepiperate	61432-55-1	C15H21NOS	263.1344	264.1417	262.1271	ESI+	6
242	Dimethachlon	24096-53-5	C10H7Cl2NO2	242.9854	243.9927	241.9781	ESI-	2
243	Dimethachlor	50563-36-5	C13H18ClNO2	255.1026	256.1099	254.0953	ESI+	12
244	Dimethametryn	22936-75-0	C11H21N5S	255.1518	256.1591	254.1445	ESI+	6
245	Dimethenamid	87674-68-8	C12H18ClNO2S	275.0747	276.0820	274.0674	ESI+	12
246	Dimethirimol	5221-53-4	C11H19N3O	209.1528	210.1601	208.1455	ESI+	3
247	Dimethoate	60-51-5	C5H12NO3PS2	228.9996	230.0069	227.9923	ESI+	6
248	Dimethomorph	110488-70-5	C21H22ClNO4	387.1237	388.1310	386.1164	ESI+	12
249	Dimetilan	644-64-4	C10H16N4O3	240.1222	241.1295	239.1149	ESI+	6
250	Dimoxystrobin	149961-52-4	C19H22N2O3	326.1630	327.1703	325.1557	ESI+	6
251	Diniconazole	83657-24-3	C15H17Cl2N3O	325.0749	326.0822	324.0676	ESI+	7
252	Dinocap	39300-45-3	C18H24N2O6	364.1634	365.1707	363.1561	ESI+	6
253	Dinoseb	88-85-7	C10H12N2O5	240.0746	241.0819	239.0673	ESI-	4
254	Dinotefuran	165252-70-0	C7H14N4O3	202.1066	203.1139	201.0993	ESI+	6
255	Dinoterb	1420-07-1	C10H12N2O5	240.0746	241.0819	239.0673	ESI-	4
256	Dioxacarb	6988-21-2	C11H13NO4	223.0845	224.0918	222.0772	ESI+	6
257	Dioxathion	78-34-2	C12H26O6P2S4	456.0087	457.0160	455.0014	ESI+	6
258	Diphenamid	957-51-7	C16H17NO	239.1310	240.1383	238.1237	ESI+	6
259	Diphenylamine	122-39-4	C12H11N	169.0891	170.0964	168.0818	ESI+	4
260	Dipropetryn	4147-51-7	C11H21N5S	255.1518	256.1591	254.1445	ESI+	6
261	Diquat	6385-62-2	C12H12N2	184.1000	185.1073	183.0927	ESI+	3
262	Disulfoton	298-04-4	C8H19O2PS3	274.0285	275.0358	273.0212	ESI+	3
263	Disulfoton-sulfone	2497-06-5	C8H19O4PS3	306.0183	307.0256	305.0110	ESI+	6
264	Disulfoton-sulfoxide	2497-07-6	C8H19O3PS3	290.0234	291.0307	289.0161	ESI+	6
265	Ditalimfos	5131-24-8	C12H14NO4PS	299.0381	300.0454	298.0308	ESI+	6
266	Dithianon	3347-22-6	C14H4N2O2S2	295.9714	296.9787	294.9641	ESI-	4
267	Dithiopyr	97886-45-8	C15H16F5NO2S2	401.0543	402.0616	400.0470	ESI+	6
268	Diuron (DCMU)	330-54-1	C9H10Cl2N2O	232.0170	233.0243	231.0097	ESI+	7
269	DMST	66840-71-9	C9H14N2O2S	214.0776	215.0849	213.0703	ESI+	4
270	DNOC	534-52-1	C7H6N2O5	198.0277	199.0350	197.0204	ESI-	6
271	Dodemorph	1593-77-7	C18H35NO	281.2719	282.2792	280.2646	ESI+	6
272	Dodine	2439-10-3	C15H33N3O2	287.2573	288.2646	286.2500	ESI+	6
273	Doramectin	117704-25-3	C50H74O14	898.5079	899.5152	897.5006	ESI+	10
274	Edifenphos	17109-49-8	C14H15O2PS2	310.0251	311.0324	309.0178	ESI+	6
275	Emamectin B1a	119791-41-2	C49H75NO13	885.5238	886.5311	884.5165	ESI+	5
276	Emamectin B1b	137335-79-6	C55H79NO15	871.5082	872.5155	870.5009	ESI+	3
277	Endosulfan-sulfate	1031-07-8	C9H6Cl6O4S	419.8118	420.8191	418.8045	ESI-	3
278	EPN	2104-64-5	C14H14NO4PS	323.0381	324.0454	322.0308	ESI+	6
279	Epoxiconazole	133855-98-8	C17H13ClFN3O	329.0731	330.0804	328.0658	ESI+	9
280	EPTC	759-94-4	C9H19NOS	189.1187	190.1260	188.1114	ESI+	5
281	Esfenvalerate	66230-04-4	C25H22ClNO3	419.1288	420.1361	418.1215	ESI+	2
282	Esprocarb	85785-20-2	C15H23NOS	265.1500	266.1573	264.1427	ESI+	5
283	Etaconazole	60207-93-4	C14H15Cl2N3O2	327.0541	328.0614	326.0468	ESI+	12
284	Ethametsulfuron-methyl	97780-06-8	C15H18N6O6S	410.1009	411.1082	409.0936	ESI+	6
285	Ethephon	16672-87-0	C2H6ClO3P	143.9743	144.9816	142.9670	ESI-	6
286	Ethidimuron	30043-49-3	C7H12N4O3S2	264.0351	265.0424	263.0278	ESI+	11
287	Ethiofencarb	29973-13-5	C11H15NO2S	225.0823	226.0896	224.0750	ESI+	10
288	Ethiofencarb-sulfone	53380-23-7	C11H15NO4S	257.0722	258.0795	256.0649	ESI+	8
289	Ethiofencarb-sulfoxide	53380-22-6	C11H15NO3S	241.0773	242.0846	240.0700	ESI+	4
290	Ethion	563-12-2	C9H22O4P2S4	383.9876	384.9949	382.9803	ESI+	6
291	Ethiprole	181587-01-9	C13H9Cl2F3N4OS	395.9826	396.9899	394.9753	ESI+	30
292	Ethirimol	23947-60-6	C11H19N3O	209.1528	210.1601	208.1455	ESI+	6
293	Ethofumesate	26225-79-6	C13H18O5S	286.0875	287.0948	285.0802	ESI+	11
294	Ethoprophos	13194-48-4	C8H19O2PS2	242.0564	243.0637	241.0491	ESI+	6
295	Ethoxyquin	91-53-2	C14H19NO	217.1467	218.1540	216.1394	ESI+	4
296	Ethoxysulfuron	126801-58-9	C15H18N4O7S	398.0896	399.0969	397.0823	ESI+	6
297	Ethylenethiourea	96-45-7	C3H6N2S	102.0252	103.0325	101.0179	ESI+	6
298	Etofenprox	80844-07-1	C25H28O3	376.2038	377.2111	375.1965	ESI+	6
299	Etoazole	153233-91-1	C21H23F2NO2	359.1697	360.1770	358.1624	ESI+	6
300	Etrinfos	38260-54-7	C10H17N2O4PS	292.0647	293.0720	291.0574	ESI+	6



化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション数
301 Famoxadone	131807-57-3	C22H18N2O4	374.1267	375.1340	373.1194	ESI+	6
302 Famphur	52-85-7	C10H16NO5PS2	325.0208	326.0281	324.0135	ESI+	12
303 Fenamidone	161326-34-7	C17H17N3O5	311.1092	312.1165	310.1019	ESI+	6
304 Fenaminosulf	140-56-7	C8H10N3NaO3S	251.0341	252.0414	250.0268	ESI+	2
305 Fenamiphos	22224-92-6	C13H22NO3PS	303.1058	304.1131	302.0985	ESI+	6
306 Fenamiphos-sulfone	31972-44-8	C13H22NO5PS	335.0956	336.1029	334.0883	ESI+	6
307 Fenamiphos-sulfoxide	31972-43-7	C13H22NO4PS	319.1007	320.1080	318.0934	ESI+	6
308 Fenarimol	60168-88-9	C17H12Cl2N2O	330.0327	331.0400	329.0254	ESI+	12
309 Fenazaquin	120928-09-8	C20H22N2O	306.1732	307.1805	305.1659	ESI+	6
310 Fenazox	495-48-7	C12H10N2O	198.0793	199.0866	197.0720	ESI+	6
311 Fenbuconazole	114369-43-6	C19H17ClN4	336.1142	337.1215	335.1069	ESI+	8
312 Fenbutatin-oxide	13356-08-6	C60H78OSn2	1054.4121	1055.4194	1053.4048	ESI+	11
313 Fenchlorazol-ethyl	103112-35-2	C12H8Cl5N3O2	400.9059	401.9132	399.8986	ESI+	118
314 Fenfuram	24691-80-3	C12H11NO2	201.0790	202.0863	200.0717	ESI+	6
315 Fenhexamid	126833-17-8	C14H17Cl2NO2	301.0636	302.0709	300.0563	ESI+	23
316 Fenitrothion	122-14-5	C9H12NO5PS	277.0174	278.0247	276.0101	ESI+	2
317 Fenobucarb	3766-81-2	C12H17NO2	207.1259	208.1332	206.1186	ESI+	6
318 Fenoprop	93-72-1	C9H7Cl3O3	267.9461	268.9534	266.9388	ESI-	8
319 Fenothiocarb	62850-32-2	C13H19NO2S	253.1136	254.1209	252.1063	ESI+	4
320 Fenoxanil	115852-48-7	C15H18Cl2N2O2	328.0745	329.0818	327.0672	ESI+	29
321 Fenoxaprop	95617-09-7	C16H12ClNO5	333.0404	334.0477	332.0331	ESI+	23
322 Fenoxaprop-ethyl	66441-23-4	C18H16ClNO5	361.0717	362.0790	360.0644	ESI+	12
323 Fenoxaprop-P-ethyl	71283-80-2	C18H16ClNO5	361.0717	362.0790	360.0644	ESI+	12
324 Fenoxycarb	79127-80-3	C17H19NO4	301.1314	302.1387	300.1241	ESI+	6
325 Fenpropathrin	64257-84-7	C22H23NO3	349.1678	350.1751	348.1605	ESI+	11
326 Fenpropidin	67306-00-7	C19H31N	273.2457	274.2530	272.2384	ESI+	6
327 Fenpropimorph	67564-91-4	C20H33NO	303.2562	304.2635	302.2489	ESI+	6
328 Fensulfothion	115-90-2	C11H17O4PS2	308.0306	309.0379	307.0233	ESI+	6
329 Fensulfothion-oxon	6552-21-2	C11H17O5PS	292.0534	293.0607	291.0461	ESI+	6
330 Fensulfothion-oxon-sulfone	6132-17-8	C11H17O6PS	308.0483	309.0556	307.0410	ESI+	4
331 Fensulfothion-sulfone	14255-72-2	C11H17O5PS2	324.0255	325.0328	323.0182	ESI+	6
332 Fenthion	55-38-9	C10H15O3PS2	278.0200	279.0273	277.0127	ESI+	6
333 Fenthion-oxon	6552-12-1	C10H15O4PS	262.0429	263.0502	261.0356	ESI+	6
334 Fenthion-oxon-sulfone	14086-35-2	C10H15O6PS	294.0327	295.0400	293.0254	ESI+	12
335 Fenthion-oxon-sulfoxide	6552-13-2	C10H15O5PS	278.0378	279.0451	277.0305	ESI+	3
336 Fenthion-sulfone	3761-42-0	C10H15O5PS2	310.0099	311.0172	309.0026	ESI+	4
337 Fenthion-sulfoxide	3761-41-9	C10H15O4PS2	294.0149	295.0222	293.0076	ESI+	6
338 Fenuron	101-42-8	C9H12N2O	164.0950	165.1023	163.0877	ESI+	6
339 Fenvalerate	51630-58-1	C25H22ClNO3	419.1288	420.1361	418.1215	ESI+	6
340 Fipronil	120068-37-3	C12H4Cl2F6N4O5	435.9387	436.9460	434.9314	ESI-	12
341 Fipronil-desulfinyl	205650-65-3	C12H4Cl2F6N4	387.9717	388.9790	386.9644	ESI-	12
342 Fipronil-sulfide	120067-83-6	C12H4Cl2F6N4S	419.9438	420.9511	418.9365	ESI-	12
343 Fipronil-sulfone	120068-36-2	C12H4Cl2F6N4O2S	451.9336	452.9409	450.9263	ESI-	12
344 Flamprop-isopropyl	52756-22-6	C19H19ClFNO3	363.1037	364.1110	362.0964	ESI+	10
345 Flamprop-methyl	52756-25-9	C17H15ClFNO3	335.0724	336.0797	334.0651	ESI+	4
346 Flamprop-M-isopropyl	63782-90-1	C19H19ClFNO3	363.1037	364.1110	362.0964	ESI+	10
347 Flazasulfuron	104040-78-0	C13H12F3N5O5S	407.0511	408.0584	406.0438	ESI+	6
348 Flocoumafen	90035-08-8	C33H25F3O4	542.1705	543.1778	541.1632	ESI+	12
349 Flonicamid	158062-67-0	C9H6F3N3O	229.0463	230.0536	228.0390	ESI+	8
350 Florasulam	145701-23-1	C12H8F3N5O3S	359.0300	360.0373	358.0227	ESI+	2
351 Fluacrypyrim	229977-93-9	C20H21F3N2O5	426.1403	427.1476	425.1330	ESI+	6
352 Fluazifop	69335-91-7	C15H12F3NO4	327.0718	328.0791	326.0645	ESI+	12
353 Fluazifop-butyl	69806-50-4	C19H20F3NO4	383.1344	384.1417	382.1271	ESI+	6
354 Fluazifop-P (free acid)	83066-88-0	C15H12F3NO4	327.0718	328.0791	326.0645	ESI+	12
355 Fluazifop-P-butyl	79241-46-6	C19H20F3NO4	383.1344	384.1417	382.1271	ESI+	6
356 Fluazinam	79622-59-6	C13H4Cl2F6N4O4	463.9514	464.9587	462.9441	ESI-	12
357 Fluazuron	86811-58-7	C20H10Cl2F5N3O3	505.0019	506.0092	503.9946	ESI+	17
358 Flubendiamide	272451-65-7	C23H22F7IN2O4S	682.0233	683.0306	681.0160	ESI+	5
359 Flucycloxuron	94050-52-9	C25H20ClF2N3O3	483.1161	484.1234	482.1088	ESI+	10
360 Flucythrinate	70124-77-5	C26H23F2NO4	451.1595	452.1668	450.1522	ESI+	4
361 Fludioxonil	131341-86-1	C12H6F2N2O2	248.0397	249.0470	247.0324	ESI-	6
362 Flufenacet	142459-58-3	C14H13F4N3O2S	363.0665	364.0738	362.0592	ESI+	6
363 Flufenoxuron	101463-69-8	C21H11ClF6N2O3	488.0362	489.0435	487.0289	ESI+	8
364 Flumetralin	62924-70-3	C16H12ClF4N3O4	421.0452	422.0525	420.0379	ESI+	3
365 Flumetsulam	98967-40-9	C12H9F2N5O2S	325.0445	326.0518	324.0372	ESI+	2
366 Flumioxazin	103361-09-7	C19H15FN2O4	354.1016	355.1089	353.0943	ESI+	2
367 Fluometuron	2164-17-2	C10H11F3N2O	232.0823	233.0896	231.0750	ESI+	4
368 Fluopicolide	239110-15-7	C14H8Cl3F3N2O	381.9654	382.9727	380.9581	ESI+	11
369 Fluopyram	658066-35-4	C16H11ClF6N2O	396.0464	397.0537	395.0391	ESI+	12
370 Fluoroglycofen-ethyl	77501-90-7	C18H13ClF3NO7	447.0333	448.0406	446.0260	ESI+	12
371 Fluoxastrobin	361377-29-9	C21H16ClF6N4O5	458.0793	459.0866	457.0720	ESI+	12
372 Flupyrsulfuron-methyl	144740-54-5	C15H14F3N5O7S	465.0566	466.0639	464.0493	ESI+	12
373 Fluquinconazole	136426-54-5	C16H8Cl2FN5O	375.0090	376.0163	374.0017	ESI+	10
374 Fluridone	59756-60-4	C19H14F3NO	329.1027	330.1100	328.0954	ESI+	4
375 Flurochloridone	61213-25-0	C12H10Cl2F3NO	311.0092	312.0165	310.0019	ESI+	18

化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション数
376 Fluroxypyr	69377-81-7	C7H5Cl2FN2O3	253.9661	254.9734	252.9588	ESI+	15
377 Fluroxypyr-1-methylheptylester	81406-37-3	C15H21Cl2FN2O3	366.0913	367.0986	365.0840	ESI+	12
378 Flurprimidol	56425-91-3	C15H15F3N2O2	312.1086	313.1159	311.1013	ESI+	6
379 Flurtamone	96525-23-4	C18H14F3NO2	333.0977	334.1050	332.0904	ESI+	6
380 Flusilazole	85509-19-9	C16H15F2N3Si	315.1003	316.1076	314.0930	ESI+	6
381 Fluthiacet-methyl	117337-19-6	C15H15ClFN3O3S2	403.0227	404.0300	402.0154	ESI+	9
382 Flutolanil	66332-96-5	C17H16F3NO2	323.1133	324.1206	322.1060	ESI+	12
383 Flutriafol	76674-21-0	C16H13F2N3O	301.1027	302.1100	300.0954	ESI+	5
384 Fluxapyroxad	907204-31-3	C18H12F5N3O	381.0901	382.0974	380.0828	ESI+	11
385 Fomesafen	72178-02-0	C15H10ClF3N2O6S	437.9900	438.9973	436.9827	ESI+	21
386 Fonofos	944-22-9	C10H15OPS2	246.0302	247.0375	245.0229	ESI+	5
387 Foramsulfuron	173159-57-4	C17H20N6O7S	452.1114	453.1187	451.1041	ESI+	6
388 Forchlorfenuron	68157-60-8	C12H10ClN3O	247.0512	248.0585	246.0439	ESI+	12
389 Fosetyl-aluminium	39148-24-8	C2H7O3P	110.0133	111.0206	109.0060	ESI-	3
390 Fosthiazate	98886-44-3	C9H18NO3PS2	283.0466	284.0539	282.0393	ESI+	6
391 Fuberidazole	3878-19-1	C11H8N2O	184.0637	185.0710	183.0564	ESI+	6
392 Furalaxyl	57646-30-7	C17H19NO4	301.1314	302.1387	300.1241	ESI+	3
393 Furametypr	123572-88-3	C17H20ClN3O2	333.1244	334.1317	332.1171	ESI+	12
394 Furathiocarb	65907-30-4	C18H26N2O5S	382.1562	383.1635	381.1489	ESI+	6
395 Furmecyclox	60568-05-0	C14H21NO3	251.1521	252.1594	250.1448	ESI+	6
396 Gibberellic acid (Gibberellin)	77-06-5	C19H22O6	346.1416	347.1489	345.1343	ESI-	11
397 Gluphosinate	77182-82-2	C5H12NO4P	181.0504	182.0577	180.0431	ESI+	10
398 Glyphosate	1071-83-6	C3H8NO5P	169.0140	170.0213	168.0067	ESI+	8
399 Halofenozide	112226-61-6	C18H19ClN2O2	330.1135	331.1208	329.1062	ESI+	12
400 Halosulfuron-methyl	100784-20-1	C13H15ClN6O7S	434.0411	435.0484	433.0338	ESI+	11
401 Haloxyfop	69806-34-4	C15H11ClF3NO4	361.0329	362.0402	360.0256	ESI+	9
402 Haloxyfop-2-ethoxyethyl	87237-48-7	C19H19ClF3NO5	433.0904	434.0977	432.0831	ESI+	12
403 Haloxyfop-methyl	69806-40-2	C16H13ClF3NO4	375.0485	376.0558	374.0412	ESI+	12
404 Haloxyfop-R-methyl	72619-32-0	C16H13ClF3NO4	375.0485	376.0558	374.0412	ESI+	12
405 Heptenophos	23560-59-0	C9H12ClO4P	250.0162	251.0235	249.0089	ESI+	9
406 Hexaconazole	79983-71-4	C14H17Cl2N3O	313.0749	314.0822	312.0676	ESI+	10
407 Hexaflumuron	86479-06-3	C16H8Cl2F6N2O3	459.9816	460.9889	458.9743	ESI-	12
408 Hexazinone	51235-04-2	C12H20N4O2	252.1586	253.1659	251.1513	ESI+	3
409 Hexythiazox	78587-05-0	C17H21ClN2O2S	352.1012	353.1085	351.0939	ESI+	11
410 Hydramethylnon	67485-29-4	C25H24F6N4	494.1905	495.1978	493.1832	ESI+	12
411 Hymexazol	10004-44-1	C4H5NO2	99.0320	100.0393	98.0247	ESI+	3
412 Imazalil	35554-44-0	C14H14Cl2N2O	296.0483	297.0556	295.0410	ESI+	12
413 Imazamethabenz-methyl	81405-85-8	C16H20N2O3	288.1474	289.1547	287.1401	ESI+	12
414 Imazamox	114311-32-9	C15H19N3O4	305.1376	306.1449	304.1303	ESI+	10
415 Imazapic	104098-48-8	C14H17N3O3	275.1270	276.1343	274.1197	ESI+	11
416 Imazapyr	81334-34-1	C13H15N3O3	261.1113	262.1186	260.1040	ESI+	11
417 Imazaquin	81335-37-7	C17H17N3O3	311.1270	312.1343	310.1197	ESI+	6
418 Imazethapyr	81335-77-5	C15H19N3O3	289.1426	290.1499	288.1353	ESI+	12
419 Imazosulfuron	122548-33-8	C14H13ClN6O5S	412.0357	413.0430	411.0284	ESI+	13
420 Imibenconazole	86598-92-7	C17H13Cl3N4S	409.9927	411.0000	408.9854	ESI+	22
421 Imidacloprid	138261-41-3	C9H10ClN5O2	255.0523	256.0596	254.0450	ESI+	8
422 Indanofan	133220-30-1	C20H17ClO3	340.0866	341.0939	339.0793	ESI+	6
423 Indoxacarb	173584-44-6	C22H17ClF3N3O7	527.0707	528.0780	526.0634	ESI+	12
424 Iodosulfuron-methyl	144550-36-7	C14H14IN5O6S	506.9710	507.9783	505.9637	ESI+	8
425 Ioxynil	1689-83-4	C7H3I2NO	370.8304	371.8377	369.8231	ESI-	4
426 Ipconazole	125225-28-7	C18H24ClN3O	333.1608	334.1681	332.1535	ESI+	5
427 Iprobenfos	26087-47-8	C13H21O3PS	288.0949	289.1022	287.0876	ESI+	3
428 Iprodione	36734-19-7	C13H13Cl2N3O3	329.0334	330.0407	328.0261	ESI+	4
429 Iprovalicarb	140923-17-7	C18H28N2O3	320.2100	321.2173	319.2027	ESI+	6
430 Irgarol 1051	28159-98-0	C11H19N5S	253.1361	254.1434	252.1288	ESI+	6
431 Isazofos	42509-80-8	C9H17ClN3O3PS	313.0417	314.0490	312.0344	ESI+	12
432 Isocarbamid	30979-48-7	C8H15N3O2	185.1164	186.1237	184.1091	ESI+	6
433 Isocarbofos	24353-61-5	C11H16NO4PS	289.0538	290.0611	288.0465	ESI+	6
434 Isofenphos	25311-71-1	C15H24NO4PS	345.1164	346.1237	344.1091	ESI+	6
435 Isofenphos-methyl	99675-03-3	C14H22NO4PS	331.1007	332.1080	330.0934	ESI+	6
436 Isofenphos-oxon	31120-85-1	C15H24NO5P	329.1392	330.1465	328.1319	ESI+	3
437 Isomethiozin	57052-04-7	C12H20N4O5	268.1358	269.1431	267.1285	ESI+	6
438 Isonoruron	28805-78-9	C13H22N2O	222.1732	223.1805	221.1659	ESI+	6
439 Isoprocab	2631-40-5	C11H15NO2	193.1103	194.1176	192.1030	ESI+	3
440 Isopropalin	33820-53-0	C15H23N3O4	309.1689	310.1762	308.1616	ESI+	6
441 Isoprothiolane	50512-35-1	C12H18O4S2	290.0647	291.0720	289.0574	ESI+	6
442 Isoproturon	34123-59-6	C12H18N2O	206.1419	207.1492	205.1346	ESI+	6
443 Isopyrazam	881685-58-1	C20H23F2N3O	359.1809	360.1882	358.1736	ESI+	9
444 Isoxaben	82558-50-7	C18H24N2O4	332.1736	333.1809	331.1663	ESI+	6
445 Isoxadifen-ethyl	163520-33-0	C18H17NO3	295.1208	296.1281	294.1135	ESI+	12
446 Isoxaflutole	141112-29-0	C15H12F3NO4S	359.0439	360.0512	358.0366	ESI+	5
447 Isoxathion	18854-01-8	C13H16NO4PS	313.0538	314.0611	312.0465	ESI+	6
448 Ivermectine	70288-86-7	C48H74O14	874.5079	875.5152	873.5006	ESI+	6
449 Karbutilate	4849-32-5	C14H21N3O3	279.1583	280.1656	278.1510	ESI+	16
450 Kasugamycin	6980-18-3	C14H25N3O9	379.1591	380.1664	378.1518	ESI+	3

化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション数
451 Kresoxim-methyl	143390-89-0	C18H19NO4	313.1314	314.1387	312.1241	ESI+	6
452 Lactofen	77501-63-4	C19H15ClF3NO7	461.0489	462.0562	460.0416	ESI+	12
453 Lambda-Cyhalothrin	91465-08-6	C23H19ClF3NO3	449.1006	450.1079	448.0933	ESI+	4
454 Lenacil	2164-08-1	C13H18N2O2	234.1368	235.1441	233.1295	ESI+	6
455 Linuron	330-55-2	C9H10Cl2N2O2	248.0119	249.0192	247.0046	ESI+	12
456 Lufenuron	103055-07-8	C17H8Cl2F8N2O3	509.9784	510.9857	508.9711	ESI-	10
457 Malaoxon	1634-78-2	C10H19O7P5	314.0589	315.0662	313.0516	ESI+	6
458 Malathion	121-75-5	C10H19O6PS2	330.0361	331.0434	329.0288	ESI+	12
459 Maleic-hydrazide	123-33-1	C4H4N2O2	112.0273	113.0346	111.0200	ESI+	3
460 Mandipropamid	374726-62-2	C23H22ClNO4	411.1237	412.1310	410.1164	ESI+	12
461 MCPA (MCP)	94-74-6	C9H9ClO3	200.0240	201.0313	199.0167	ESI-	3
462 MCPA-butoxyethyl ester	19480-43-4	C15H21ClO4	300.1128	301.1201	299.1055	ESI+	12
463 MCPB	94-81-5	C11H13ClO3	228.0553	229.0626	227.0480	ESI-	3
464 Mecarbam	2595-54-2	C10H20NO5PS2	329.0521	330.0594	328.0448	ESI+	6
465 Mecoprop (MCP)	93-65-2	C10H11ClO3	214.0397	215.0470	213.0324	ESI-	2
466 Mecoprop-P	16484-77-8	C10H11ClO3	214.0397	215.0470	213.0324	ESI-	4
467 Mefenacet	73250-68-7	C16H14N2O2S	298.0776	299.0849	297.0703	ESI+	6
468 Mefenpyr-diethyl	135590-91-9	C16H18Cl2N2O4	372.0644	373.0717	371.0571	ESI+	24
469 Mefluidide	53780-34-0	C11H13F3N2O3S	310.0599	311.0672	309.0526	ESI+	10
470 Mepanipyrim	110235-47-7	C14H13N3	223.1109	224.1182	222.1036	ESI+	6
471 Mephosfolan	950-10-7	C8H16NO3PS2	269.0309	270.0382	268.0236	ESI+	6
472 Mepiquat	24307-26-4	C7H16N	114.1283	115.1356	113.1210	ESI+	6
473 Mepronil	55814-41-0	C17H19NO2	269.1416	270.1489	268.1343	ESI+	5
474 Meptyldinocap	6119-92-2	C18H24N2O6	364.1634	365.1707	363.1561	ESI-	6
475 Mesosulfuron-methyl	208465-21-8	C17H21N5O9S2	503.0781	504.0854	502.0708	ESI+	6
476 Mesotrione	104206-82-8	C14H13NO7S	339.0413	340.0486	338.0340	ESI+	6
477 Metaflumizone	139968-49-3	C24H16F6N4O2	506.1177	507.1250	505.1104	ESI+	6
478 Metalaxyl	57837-19-1	C15H21NO4	279.1471	280.1544	278.1398	ESI+	6
479 Metalaxyl-M	70630-17-0	C15H21NO4	279.1471	280.1544	278.1398	ESI+	6
480 Metamitron	41394-05-2	C10H10N4O	202.0855	203.0928	201.0782	ESI+	3
481 Metazachlor	67129-08-2	C14H16ClN3O	277.0982	278.1055	276.0909	ESI+	6
482 Metconazole	125116-23-6	C17H22ClN3O	319.1451	320.1524	318.1378	ESI+	4
483 Methabenzthiazuron	18691-97-9	C10H11N3OS	221.0623	222.0696	220.0550	ESI+	6
484 Methacrifos	62610-77-9	C7H13O5PS	240.0221	241.0294	239.0148	ESI+	12
485 Methamidophos	10265-92-6	C2H8NO2PS	141.0013	142.0086	139.9940	ESI+	6
486 Methfuroxam	28730-17-8	C14H15NO2	229.1103	230.1176	228.1030	ESI+	4
487 Methidathion	950-37-8	C6H11N2O4PS3	301.9619	302.9692	300.9546	ESI+	7
488 Methiocarb	2032-65-7	C11H15NO2S	225.0823	226.0896	224.0750	ESI+	6
489 Methiocarb-sulfone	2179-25-1	C11H15NO4S	257.0722	258.0795	256.0649	ESI+	9
490 Methiocarb-sulfoxide	2635-10-1	C11H15NO3S	241.0773	242.0846	240.0700	ESI+	6
491 Methomyl	16752-77-5	C5H10N2O2S	162.0463	163.0536	161.0390	ESI+	6
492 Methoprene	40596-69-8	C19H34O3	310.2508	311.2581	309.2435	ESI+	12
493 Methoprotryne	841-06-5	C11H21N5O5	271.1467	272.1540	270.1394	ESI+	6
494 Methoxyfenozide	161050-58-4	C22H28N2O3	368.2100	369.2173	367.2027	ESI+	6
495 Metobromuron	3060-89-7	C9H11BrN2O2	258.0004	259.0077	256.9931	ESI+	12
496 Metolachlor	51218-45-2	C15H22ClNO2	283.1339	284.1412	282.1266	ESI+	12
497 Metolcarb	1129-41-5	C9H11NO2	165.0790	166.0863	164.0717	ESI+	6
498 Metominostrobin	133408-50-1	C16H16N2O3	284.1161	285.1234	283.1088	ESI+	6
499 Metosulam	139528-85-1	C14H13Cl2N5O4S	417.0065	418.0138	415.9992	ESI+	24
500 Metoxuron	19937-59-8	C10H13ClN2O2	228.0666	229.0739	227.0593	ESI+	5
501 Metrafenone	220899-03-6	C19H21BrO5	408.0572	409.0645	407.0499	ESI+	12
502 Metribuzin	21087-64-9	C8H14N4OS	214.0888	215.0961	213.0815	ESI+	5
503 Metsulfuron-methyl	74223-64-6	C14H15N5O6S	381.0743	382.0816	380.0670	ESI+	6
504 Mevinphos	7786-34-7	C7H13O6P	224.0450	225.0523	223.0377	ESI+	5
505 Mexacarbate	315-18-4	C12H18N2O2	222.1368	223.1441	221.1295	ESI+	6
506 Molinate	2212-67-1	C9H17NO5	187.1031	188.1104	186.0958	ESI+	6
507 Monalide	7287-36-7	C13H18ClNO	239.1077	240.1150	238.1004	ESI+	20
508 Monocrotophos	6923-22-4	C7H14NO5P	223.0610	224.0683	222.0537	ESI+	12
509 Monolinuron	1746-81-2	C9H11ClN2O2	214.0509	215.0582	213.0436	ESI+	10
510 Monuron	150-68-5	C9H11ClN2O	198.0560	199.0633	197.0487	ESI+	10
511 Morpholine	110-91-8	C4H9NO	87.0684	88.0757	86.0611	ESI+	6
512 Moxidectin	113507-06-5	C37H53NO8	639.3771	640.3844	638.3698	ESI+	12
513 Myclobutanil	88671-89-0	C15H17ClN4	288.1142	289.1215	287.1069	ESI+	8
514 N-(2, 4-Dimethylphenyl) formamide	60397-77-5	C9H11NO	149.0841	150.0914	148.0768	ESI+	6
515 N-(2, 4-Dimethylphenyl)-N'-methylformamidine	33089-74-6	C10H14N2	162.1157	163.1230	161.1084	ESI+	6
516 N, N'-Diphenylurea	102-07-8	C13H12N2O	212.0950	213.1023	211.0877	ESI+	4
517 Naled	300-76-5	C4H7Br2Cl2O4P	377.7826	378.7899	376.7753	ESI+	6
518 Naproanilide	52570-16-8	C19H17NO2	291.1259	292.1332	290.1186	ESI+	2
519 Napropamide	15299-99-7	C17H21NO2	271.1572	272.1645	270.1499	ESI+	6
520 Naptalam	132-66-1	C18H13NO3	291.0895	292.0968	290.0822	ESI+	6
521 Neburon	555-37-3	C12H16Cl2N2O	274.0640	275.0713	273.0567	ESI+	9
522 Nicarbazin	330-95-0	C19H18N6O6	426.1288	427.1361	425.1215	ESI-	3
523 Nicosulfuron	111991-09-4	C15H18N6O6S	410.1009	411.1082	409.0936	ESI+	6
524 Nicotine	54-11-5	C10H14N2	162.1157	163.1230	161.1084	ESI+	6
525 Nitenpyram	150824-47-8	C11H15ClN4O2	270.0884	271.0957	269.0811	ESI+	6



化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション 数
526 Nitralin	4726-14-1	C13H19N3O6S	345.0995	346.1068	344.0922	ESI+	12
527 Nitrothal-isopropyl	10552-74-6	C14H17NO6	295.1056	296.1129	294.0983	ESI+	6
528 Norflurazon	27314-13-2	C12H9ClF3N3O	303.0386	304.0459	302.0313	ESI+	16
529 Norflurazon-desmethyl	23576-24-1	C11H7ClF3N3O	289.0230	290.0303	288.0157	ESI+	12
530 Novaluron	116714-46-6	C17H9ClF8N2O4	492.0123	493.0196	491.0050	ESI+	18
531 Noviflumuron	121451-02-3	C17H7Cl2F9N2O3	527.9690	528.9763	526.9617	ESI-	6
532 Nuarimol	63284-71-9	C17H12ClFN2O	314.0622	315.0695	313.0549	ESI+	11
533 Ofurace	58810-48-3	C14H16ClNO3	281.0819	282.0892	280.0746	ESI+	17
534 Omethoate	1113-02-6	C5H12NO4PS	213.0225	214.0298	212.0152	ESI+	4
535 Orbencarb	34622-58-7	C12H16ClNOS	257.0641	258.0714	256.0568	ESI+	12
536 Orthosulfamuron	213464-77-8	C16H20N6O6S	424.1165	425.1238	423.1092	ESI+	6
537 Oryzalin	19044-88-3	C12H18N4O6S	346.0947	347.1020	345.0874	ESI+	5
538 Oxabetrinil	94593-79-0	C12H12N2O3	232.0848	233.0921	231.0775	ESI+	2
539 Oxadiargyl	39807-15-3	C15H14Cl2N2O3	340.0381	341.0454	339.0308	ESI+	14
540 Oxadiazon	19666-30-9	C15H18Cl2N2O3	344.0694	345.0767	343.0621	ESI+	6
541 Oxadixyl	77732-09-3	C14H18N2O4	278.1267	279.1340	277.1194	ESI+	12
542 Oxamyl	23135-22-0	C7H13N3O3S	219.0678	220.0751	218.0605	ESI+	3
543 Oxasulfuron	144651-06-9	C17H18N4O6S	406.0947	407.1020	405.0874	ESI+	6
544 Oxaziclomefone	153197-14-9	C20H19Cl2NO2	375.0793	376.0866	374.0720	ESI+	2
545 Oxycarboxin	5259-88-1	C12H13NO4S	267.0565	268.0638	266.0492	ESI+	3
546 Oxydemeton-methyl	301-12-2	C6H11O4PS2	246.0149	247.0222	245.0076	ESI+	6
547 Paclobutrazol	76738-62-0	C15H20ClN3O	293.1295	294.1368	292.1222	ESI+	8
548 Paraoxon-ethyl	311-45-5	C10H14NO6P	275.0559	276.0632	274.0486	ESI+	6
549 Paraoxon-methyl	950-35-6	C8H10NO6P	247.0246	248.0319	246.0173	ESI+	3
550 Paraquat	1910-42-5	C12H14Cl2N2	256.0534	257.0607	255.0461	ESI+	5
551 Parathion	56-38-2	C10H14NO5PS	291.0330	292.0403	290.0257	ESI+	3
552 Pebulate	1114-71-2	C10H21NOS	203.1344	204.1417	202.1271	ESI+	6
553 Penconazole	66246-88-6	C13H15Cl2N3	283.0643	284.0716	282.0570	ESI+	12
554 Pencycuron	66063-05-6	C19H21ClN2O	328.1342	329.1415	327.1269	ESI+	10
555 Pendimethalin	40487-42-1	C13H19N3O4	281.1376	282.1449	280.1303	ESI+	6
556 Penoxsulam	219714-96-2	C16H14F5N5O5S	483.0636	484.0709	482.0563	ESI+	6
557 Pentachlorophenol	87-86-5	C6HCl5O	263.8470	264.8543	262.8397	ESI-	3
558 Pentoxazone	110956-75-7	C17H17ClFNO4	353.0830	354.0903	352.0757	ESI+	2
559 Permethrin	52645-53-1	C21H20Cl2O3	390.0790	391.0863	389.0717	ESI+	12
560 Pethoxamid	106700-29-2	C16H22ClNO2	295.1339	296.1412	294.1266	ESI+	7
561 Phenmedipham	13684-63-4	C16H16N2O4	300.1110	301.1183	299.1037	ESI+	6
562 Phenothrin	26002-80-2	C23H26O3	350.1882	351.1955	349.1809	ESI+	9
563 Phenthoate	2597-03-7	C12H17O4PS2	320.0306	321.0379	319.0233	ESI+	12
564 Phorate	298-02-2	C7H17O2PS3	260.0128	261.0201	259.0055	ESI+	6
565 Phorate-oxon	2600-69-3	C7H17O3PS2	244.0357	245.0430	243.0284	ESI+	6
566 Phorate-sulfone	2588-04-7	C7H17O4PS3	292.0027	293.0100	290.9954	ESI+	6
567 Phorate-sulfoxide	2588-03-6	C7H17O3PS3	276.0077	277.0150	275.0004	ESI+	6
568 Phosalone	2310-17-0	C12H15ClNO4PS2	366.9869	367.9942	365.9796	ESI+	12
569 Phosfolan	947-02-4	C7H14NO3PS2	255.0153	256.0226	254.0080	ESI+	6
570 Phosmet	732-11-6	C11H12NO4PS2	316.9945	318.0018	315.9872	ESI+	12
571 Phosphamidon	13171-21-6	C10H19ClNO5P	299.0689	300.0762	298.0616	ESI+	12
572 Phoxim	14816-18-3	C12H15N2O3PS	298.0541	299.0614	297.0468	ESI+	6
573 Picloram	1918-02-1	C6H3Cl3N2O2	239.9260	240.9333	238.9187	ESI+	9
574 Picolinafen	137641-05-5	C19H12F4N2O2	376.0835	377.0908	375.0762	ESI+	6
575 Picoxystrobin	117428-22-5	C18H16F3NO4	367.1031	368.1104	366.0958	ESI+	6
576 Pinoxaden	243973-20-8	C23H32N2O4	400.2362	401.2435	399.2289	ESI+	6
577 Piperonyl-butoxide	51-03-6	C19H30O5	338.2093	339.2166	337.2020	ESI+	12
578 Piperophos	24151-93-7	C14H28NO3PS2	353.1248	354.1321	352.1175	ESI+	6
579 Pirimicarb	23103-98-2	C11H18N4O2	238.1430	239.1503	237.1357	ESI+	3
580 Pirimicarb-desmethyl	30614-22-3	C10H16N4O2	224.1273	225.1346	223.1200	ESI+	6
581 Pirimicarb-desmethyl-formamido	27218-04-8	C11H16N4O3	252.1222	253.1295	251.1149	ESI+	2
582 Pirimiphos-ethyl	23505-41-1	C13H24N3O3PS	333.1276	334.1349	332.1203	ESI+	6
583 Pirimiphos-methyl	29232-93-7	C11H20N3O3PS	305.0963	306.1036	304.0890	ESI+	6
584 Prallethrin	23031-36-9	C19H24O3	300.1725	301.1798	299.1652	ESI+	6
585 Pretilachlor	51218-49-6	C17H26ClNO2	311.1652	312.1725	310.1579	ESI+	6
586 Primisulfuron-methyl	86209-51-0	C15H12F4N4O7S	468.0363	469.0436	467.0290	ESI+	9
587 Probenazole	27605-76-1	C10H9NO3S	223.0303	224.0376	222.0230	ESI+	4
588 Prochloraz	67747-09-5	C15H16Cl3N3O2	375.0308	376.0381	374.0235	ESI+	15
589 Profenofos	41198-08-7	C11H15BrClO3PS	371.9351	372.9424	370.9278	ESI+	12
590 Profoxydim	139001-49-3	C24H32ClNO4S	465.1741	466.1814	464.1668	ESI+	24
591 Promecarb	2631-37-0	C12H17NO2	207.1259	208.1332	206.1186	ESI+	6
592 Prometon	1610-18-0	C10H19N5O	225.1590	226.1663	224.1517	ESI+	6
593 Prometryn	7287-19-6	C10H19N5S	241.1361	242.1434	240.1288	ESI+	6
594 Propachlor	1918-16-7	C11H14ClNO	211.0764	212.0837	210.0691	ESI+	6
595 Propamocarb	24579-73-5	C9H20N2O2	188.1525	189.1598	187.1452	ESI+	6
596 Propanil	709-98-8	C9H9Cl2NO	217.0061	218.0134	215.9988	ESI+	9
597 Propaphos	7292-16-2	C13H21O4PS	304.0898	305.0971	303.0825	ESI+	10
598 Propaquizafop	111479-05-1	C22H22ClN3O5	443.1248	444.1321	442.1175	ESI+	12
599 Propargite	2312-35-8	C19H26O4S	350.1552	351.1625	349.1479	ESI+	6
600 Propazine	139-40-2	C9H16ClN5	229.1094	230.1167	228.1021	ESI+	6

	化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション 数
601	Propetamphos	31218-83-4	C10H20NO4PS	281.0851	282.0924	280.0778	ESI+	18
602	Propham	122-42-9	C10H13NO2	179.0946	180.1019	178.0873	ESI+	6
603	Propiconazole	60207-90-1	C15H17Cl2N3O2	341.0698	342.0771	340.0625	ESI+	12
604	Propisochlor	86763-47-5	C15H22ClNO2	283.1339	284.1412	282.1266	ESI+	12
605	Propoxur	114-26-1	C11H15NO3	209.1052	210.1125	208.0979	ESI+	6
606	Propoxycarbazono	181274-15-7	C15H18N4O7S	398.0896	399.0969	397.0823	ESI+	20
607	Propylene-thiourea	2122-19-2	C4H8N2S	116.0408	117.0481	115.0335	ESI+	6
608	Propyzamide	23950-58-5	C12H11Cl2NO	255.0218	256.0291	254.0145	ESI+	10
609	Proquinazid	189278-12-4	C14H17IN2O2	372.0335	373.0408	371.0262	ESI+	6
610	Prosulfocarb	52888-80-9	C14H21NOS	251.1344	252.1417	250.1271	ESI+	4
611	Prosulfuron	94125-34-5	C15H16F3N5O4S	419.0875	420.0948	418.0802	ESI+	7
612	Prothioconazole	178928-70-6	C14H15Cl2N3O5	343.0313	344.0386	342.0240	ESI+	10
613	Prothioconazole-desthio	120983-64-4	C14H15Cl2N3O	311.0592	312.0665	310.0519	ESI+	10
614	Prothiophos	34643-46-4	C11H15Cl2O2PS2	343.9628	344.9701	342.9555	ESI+	12
615	Prothoate	2275-18-5	C9H20NO3PS2	285.0622	286.0695	284.0549	ESI+	6
616	Pymetrozine	123312-89-0	C10H11N5O	217.0964	218.1037	216.0891	ESI+	4
617	Pyracarbolid	24691-76-7	C13H15NO2	217.1103	218.1176	216.1030	ESI+	3
618	Pyraclufos	89784-60-1	C14H18ClN2O3PS	360.0464	361.0537	359.0391	ESI+	12
619	Pyraclostrobin	175013-18-0	C19H18ClN3O4	387.0986	388.1059	386.0913	ESI+	11
620	Pyraflufen-ethyl	129630-19-9	C15H13Cl2F3N2O4	412.0204	413.0277	411.0131	ESI+	12
621	Pyrasulfotole	365400-11-9	C14H13F3N2O4S	362.0548	363.0621	361.0475	ESI+	9
622	Pyrazolynate	58011-68-0	C19H16Cl2N2O4S	438.0208	439.0281	437.0135	ESI+	2
623	Pyrazophos	13457-18-6	C14H20N3O5PS	373.0861	374.0934	372.0788	ESI+	12
624	Pyrazosulfuron-ethyl	93697-74-6	C14H18N6O7S	414.0958	415.1031	413.0885	ESI+	6
625	Pyrazoxyfen	71561-11-0	C20H16Cl2N2O3	402.0538	403.0611	401.0465	ESI+	12
626	Pyributicarb	88678-67-5	C18H22N2O2S	330.1402	331.1475	329.1329	ESI+	6
627	Pyridaben	96489-71-3	C19H25ClN2O5	364.1376	365.1449	363.1303	ESI+	12
628	Pyridalyl	179101-81-6	C18H14Cl4F3NO3	488.9680	489.9753	487.9607	ESI+	18
629	Pyridaphenthion	119-12-0	C14H17N2O4PS	340.0647	341.0720	339.0574	ESI+	6
630	Pyridate	55512-33-9	C19H23ClN2O2S	378.1169	379.1242	377.1096	ESI+	12
631	Pyrifenoxy	88283-41-4	C14H12Cl2N2O	294.0327	295.0400	293.0254	ESI+	8
632	Pyrifitalid	135186-78-6	C15H14N2O4S	318.0674	319.0747	317.0601	ESI+	2
633	Pyrimethanil	53112-28-0	C12H13N3	199.1109	200.1182	198.1036	ESI+	6
634	Pyrimidifen	105779-78-0	C20H28ClN3O2	377.1870	378.1943	376.1797	ESI+	12
635	Pyriminobac-methyl (E)	136191-64-5	C17H19N3O6	361.1274	362.1347	360.1201	ESI+	6
636	Pyriproxyfen	95737-68-1	C20H19NO3	321.1365	322.1438	320.1292	ESI+	6
637	Pyroquilon	57369-32-1	C11H11NO	173.0841	174.0914	172.0768	ESI+	6
638	Pyroxsulam	422556-08-9	C14H13F3N6O5S	434.0620	435.0693	433.0547	ESI+	6
639	Quinalphos	13593-03-8	C12H15N2O3PS	298.0541	299.0614	297.0468	ESI+	6
640	Quinclorac	84087-01-4	C10H5Cl2NO2	240.9697	241.9770	239.9624	ESI+	11
641	Quinmerac	90717-03-6	C11H8ClNO2	221.0244	222.0317	220.0171	ESI+	12
642	Quinoclamine	2797-51-5	C10H6ClNO2	207.0087	208.0160	206.0014	ESI+	19
643	Quinoxifen	124495-18-7	C15H8Cl2FNO	306.9967	308.0040	305.9894	ESI+	12
644	Quizalofop (free acid)	76578-12-6	C17H13ClN2O4	344.0564	345.0637	343.0491	ESI+	24
645	Quizalofop-ethyl	76578-14-8	C19H17ClN2O4	372.0877	373.0950	371.0804	ESI+	12
646	Quizalofop-methyl	76578-13-7	C18H15ClN2O4	358.0720	359.0793	357.0647	ESI+	12
647	Quizalofop-P	94051-08-8	C17H13ClN2O4	344.0564	345.0637	343.0491	ESI+	9
648	Quizalofop-P-ethyl	100646-51-3	C19H17ClN2O4	372.0877	373.0950	371.0804	ESI+	12
649	Rabenzazole	40341-04-6	C12H12N4	212.1062	213.1135	211.0989	ESI+	12
650	Resmethrin	10453-86-8	C22H26O3	338.1882	339.1955	337.1809	ESI+	6
651	Rimsulfuron	122931-48-0	C14H17N5O7S2	431.0569	432.0642	430.0496	ESI+	9
652	Rotenone	83-79-4	C23H22O6	394.1416	395.1489	393.1343	ESI+	6
653	Saflufenacil	372137-35-4	C17H17ClF4N4O5S	500.0544	501.0617	499.0471	ESI+	8
654	Sebuthylazine	7286-69-3	C9H16ClN5	229.1094	230.1167	228.1021	ESI+	6
655	Sebuthylazine-desethyl	37019-18-4	C7H12ClN5	201.0781	202.0854	200.0708	ESI+	12
656	Secbumeton	26259-45-0	C10H19N5O	225.1590	226.1663	224.1517	ESI+	4
657	Sethoxydim	74051-80-2	C17H29NO3S	327.1868	328.1941	326.1795	ESI+	12
658	Siduron	1982-49-6	C14H20N2O	232.1576	233.1649	231.1503	ESI+	5
659	Silaflluofen	105024-66-6	C25H29FO2Si	408.1921	409.1994	407.1848	ESI+	2
660	Silthiofam	175217-20-6	C13H21NOSSi	267.1113	268.1186	266.1040	ESI+	5
661	Simazine	122-34-9	C7H12ClN5	201.0781	202.0854	200.0708	ESI+	12
662	Simazine-2-hydroxy	2599-11-3	C7H13N5O	183.1120	184.1193	182.1047	ESI+	5
663	Simeconazole	149508-90-7	C14H20FN3OSi	293.1360	294.1433	292.1287	ESI+	6
664	Simetryn	1014-70-6	C8H15N5S	213.1048	214.1121	212.0975	ESI+	4
665	Spinetoram A	187166-40-1	C42H69NO10	747.4921	748.4994	746.4848	ESI+	2
666	Spinetoram B	187166-15-0	C43H69NO10	759.4921	760.4994	758.4848	ESI+	3
667	Spinosyn A	131929-60-7	C41H65NO10	731.4608	732.4681	730.4535	ESI+	4
668	Spinosyn D	131929-63-0	C42H67NO10	745.4765	746.4838	744.4692	ESI+	4
669	Spirodiclofen	148477-71-8	C21H24Cl2O4	410.1052	411.1125	409.0979	ESI+	11
670	Spiromesifen	283594-90-1	C23H30O4	370.2144	371.2217	369.2071	ESI+	4
671	Spirotetramat	203313-25-1	C21H27NO5	373.1889	374.1962	372.1816	ESI+	6
672	Spiroxamine	118134-30-8	C18H35NO2	297.2668	298.2741	296.2595	ESI+	6
673	Sulcotrione	99105-77-8	C14H13ClO5S	328.0172	329.0245	327.0099	ESI+	2
674	Sulfallate	95-06-7	C8H14ClNS2	223.0256	224.0329	222.0183	ESI+	9
675	Sulfaquinoxaline	59-40-5	C14H12N4O2S	300.0681	301.0754	299.0608	ESI+	6

化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション数	
676	Sulfometuron-methyl	74222-97-2	C15H16N4O5S	364.0841	365.0914	363.0768	ESI+	6
677	Sulfosulfuron	141776-32-1	C16H18N6O7S2	470.0678	471.0751	469.0605	ESI+	6
678	Sulfotep	3689-24-5	C8H20O5P2S2	322.0227	323.0300	321.0154	ESI+	6
679	Sulprofos	35400-43-2	C12H19O2P5S3	322.0285	323.0358	321.0212	ESI+	6
680	Tau-Fluvalinate	102851-06-9	C26H22ClF3N2O3	502.1271	503.1344	501.1198	ESI+	15
681	Tebuconazole	107534-96-3	C16H22ClN3O	307.1451	308.1524	306.1378	ESI+	10
682	Tebufenozide	112410-23-8	C22H28N2O2	352.2151	353.2224	351.2078	ESI+	6
683	Tebufenpyrad	119168-77-3	C18H24ClN3O	333.1608	334.1681	332.1535	ESI+	12
684	Tebupirimfos	96182-53-5	C13H23N2O3P5	318.1167	319.1240	317.1094	ESI+	6
685	Tebutam	35256-85-0	C15H23NO	233.1780	234.1853	232.1707	ESI+	6
686	Tebuthiuron	34014-18-1	C9H16N4O5	228.1045	229.1118	227.0972	ESI+	6
687	Teflubenzuron	83121-18-0	C14H6Cl2F4N2O2	379.9742	380.9815	378.9669	ESI-	12
688	Tembotrione	335104-84-2	C17H16ClF3O6S	440.0308	441.0381	439.0235	ESI+	12
689	Temephos	3383-96-8	C16H20O6P2S3	465.9897	466.9970	464.9824	ESI+	6
690	Tepraloxymidim	149979-41-9	C17H24ClNO4	341.1394	342.1467	340.1321	ESI+	8
691	Terbacil	5902-51-2	C9H13ClN2O2	216.0666	217.0739	215.0593	ESI-	10
692	Terbucarb	1918-11-2	C17H27NO2	277.2042	278.2115	276.1969	ESI+	12
693	Terbufos	13071-79-9	C9H21O2P5S3	288.0441	289.0514	287.0368	ESI+	5
694	Terbufos-sulfone	56070-16-7	C9H21O4P5S3	320.0340	321.0413	319.0267	ESI+	6
695	Terbufos-sulfoxide	10548-10-4	C9H21O3P5S3	304.0390	305.0463	303.0317	ESI+	6
696	Terbumeton	33693-04-8	C10H19N5O	225.1590	226.1663	224.1517	ESI+	6
697	Terbumeton-desethyl	30125-64-5	C8H15N5O	197.1277	198.1350	196.1204	ESI+	3
698	Terbuthylazine	5915-41-3	C9H16ClN5	229.1094	230.1167	228.1021	ESI+	10
699	Terbuthylazine-2-hydroxy	66753-07-9	C9H17N5O	211.1433	212.1506	210.1360	ESI+	6
700	Terbuthylazine-desethyl	30125-63-4	C7H12ClN5	201.0781	202.0854	200.0708	ESI+	12
701	Terbutryn	886-50-0	C10H19N5S	241.1361	242.1434	240.1288	ESI+	6
702	Tetrachlorvinphos (CVMP)	22248-79-9	C10H9Cl4O4P	363.8993	364.9066	362.8920	ESI+	16
703	Tetraconazole	112281-77-3	C13H11Cl2F4N3O	371.0215	372.0288	370.0142	ESI+	7
704	Tetraethylpyrophosphate	107-49-3	C8H20O7P2	290.0684	291.0757	289.0611	ESI+	6
705	Tetramethrin	7696-12-0	C19H25NO4	331.1784	332.1857	330.1711	ESI+	12
706	Thenylchlor	96491-05-3	C16H18ClNO2S	323.0747	324.0820	322.0674	ESI+	12
707	Thiabendazole	148-79-8	C10H7N3S	201.0361	202.0434	200.0288	ESI+	6
708	Thiacloprid	111988-49-9	C10H9ClN4S	252.0236	253.0309	251.0163	ESI+	6
709	Thiamethoxam	153719-23-4	C8H10ClN5O3S	291.0193	292.0266	290.0120	ESI+	12
710	Thiazafurion	25366-23-8	C6H7F3N4O5	240.0293	241.0366	239.0220	ESI+	6
711	Thiazopyr	117718-60-2	C16H17F5N2O2S	396.0931	397.1004	395.0858	ESI+	6
712	Thidiazuron	51707-55-2	C9H8N4O5	220.0419	221.0492	219.0346	ESI+	6
713	Thiencarbazone-methyl	317815-83-1	C12H14N4O7S2	390.0304	391.0377	389.0231	ESI+	3
714	Thifensulfuron-methyl	79277-27-3	C12H13N5O6S2	387.0307	388.0380	386.0234	ESI+	6
715	Thifluzamide	130000-40-7	C13H6Br2F6N2O2S	525.8421	526.8494	524.8348	ESI+	29
716	Thiobencarb	28249-77-6	C12H16ClNOS	257.0641	258.0714	256.0568	ESI+	11
717	Thiodicarb	59669-26-0	C10H18N4O4S3	354.0490	355.0563	353.0417	ESI+	6
718	Thiofanox	39196-18-4	C9H18N2O2S	218.1089	219.1162	217.1016	ESI+	2
719	Thiofanox-sulfone	39184-59-3	C9H18N2O4S	250.0987	251.1060	249.0914	ESI+	9
720	Thiofanox-sulfoxide	39184-27-5	C9H18N2O3S	234.1038	235.1111	233.0965	ESI+	12
721	Thiometon	640-15-3	C6H15O2P5S3	245.9972	247.0045	244.9899	ESI+	2
722	Thionazin	297-97-2	C8H13N2O3P5	248.0384	249.0457	247.0311	ESI+	6
723	Thiophanate-ethyl	23564-06-9	C14H18N4O4S2	370.0769	371.0842	369.0696	ESI+	6
724	Thiophanate-methyl	23564-05-8	C12H14N4O4S2	342.0456	343.0529	341.0383	ESI+	6
725	Thiram	137-26-8	C6H12N2S4	239.9883	240.9956	238.9810	ESI+	6
726	Tolclofos-methyl	57018-04-9	C9H11Cl2O3P5	299.9544	300.9617	298.9471	ESI+	12
727	Tolyfluanid	731-27-1	C10H13Cl2FN2O2S2	345.9780	346.9853	344.9707	ESI+	22
728	Topramezone	210631-68-8	C16H17N3O5S	363.0889	364.0962	362.0816	ESI+	12
729	Tralkoxydim	87820-88-0	C20H27NO3	329.1991	330.2064	328.1918	ESI+	6
730	Tralomethrin	66841-25-6	C22H19Br4NO3	660.8098	661.8171	659.8025	ESI+	7
731	Triadimefon	43121-43-3	C14H16ClN3O2	293.0931	294.1004	292.0858	ESI+	12
732	Triadimenol	55219-65-3	C14H18ClN3O2	295.1088	296.1161	294.1015	ESI+	7
733	Tri-allate	2303-17-5	C10H16Cl3NOS	303.0018	304.0091	301.9945	ESI+	16
734	Triapenthenol	76608-88-3	C15H25N3O	263.1998	264.2071	262.1925	ESI+	12
735	Triasulfuron	82097-50-5	C14H16ClN5O5S	401.0561	402.0634	400.0488	ESI+	12
736	Triazamate	112143-82-5	C13H22N4O3S	314.1413	315.1486	313.1340	ESI+	4
737	Triazophos	24017-47-8	C12H16N3O3P5	313.0650	314.0723	312.0577	ESI+	6
738	Triazoxide	72459-58-6	C10H6ClN5O	247.0261	248.0334	246.0188	ESI+	11
739	Tribenuron-methyl	101200-48-0	C15H17N5O6S	395.0900	396.0973	394.0827	ESI+	5
740	Trichlorfon	52-68-6	C4H8Cl3O4P	255.9226	256.9299	254.9153	ESI+	10
741	Triclopyr	55335-06-3	C7H4Cl3NO3	254.9257	255.9330	253.9184	ESI-	2
742	Tricyclazole	41814-78-2	C9H7N3S	189.0361	190.0434	188.0288	ESI+	6
743	Tridemorph	81412-43-3	C19H39NO	297.3032	298.3105	296.2959	ESI+	6
744	Trietazine	1912-26-1	C9H16ClN5	229.1094	230.1167	228.1021	ESI+	6
745	Triethanolamine	102-71-6	C6H15NO3	149.1052	150.1125	148.0979	ESI+	6
746	Trifloxystrobin	141517-21-7	C20H19F3N2O4	408.1297	409.1370	407.1224	ESI+	6
747	Trifloxysulfuron	145099-21-4	C14H14F3N5O6S	437.0617	438.0690	436.0544	ESI+	9
748	Triflumizole	68694-11-1	C15H15ClF3N3O	345.0856	346.0929	344.0783	ESI+	9
749	TriflumizoleMetabolite	131549-75-2	C12H14ClF3N2O	294.0747	295.0820	293.0674	ESI+	2
750	Triflumuron	64628-44-0	C15H10ClF3N2O3	358.0332	359.0405	357.0259	ESI+	8

化合物名	CAS番号	分子式	分子量	[M + H] <sup>+</sup>	[M - H] <sup>-</sup>	イオン化モード	MRM トランジション数
751 Triflurosulfuron-methyl	126535-15-7	C17H19F3N6O6S	492.1039	493.1112	491.0966	ESI+	8
752 Triforine	26644-46-2	C10H14Cl6N4O2	431.9248	432.9321	430.9175	ESI+	7
753 Trinexapac-ethyl	95266-40-3	C13H16O5	252.0998	253.1071	251.0925	ESI+	6
754 Triphenyl phosphate	115-86-6	C18H15O4P	326.0708	327.0781	325.0635	ESI+	6
755 Tris (2-chloro-1-(chloromethyl)ethyl) phosphate	13674-87-8	C9H15Cl6O4P	427.8839	428.8912	426.8766	ESI+	26
756 Triticonazole	131983-72-7	C17H20ClN3O	317.1295	318.1368	316.1222	ESI+	9
757 Tritosulfuron	142469-14-5	C13H9F6N5O4S	445.0279	446.0352	444.0206	ESI+	4
758 Valifenalate	283159-90-0	C19H27ClN2O5	398.1608	399.1681	397.1535	ESI+	16
759 Vamidothion	2275-23-2	C8H18NO4PS2	287.0415	288.0488	286.0342	ESI+	6
760 Vamidothion-sulfone	70898-34-9	C8H18NO6PS2	319.0313	320.0386	318.0240	ESI+	6
761 Vamidothion-sulfoxide	20300-00-9	C8H18NO5PS2	303.0364	304.0437	302.0291	ESI+	6
762 Vernolate	1929-77-7	C10H21NOS	203.1344	204.1417	202.1271	ESI+	5
763 Warfarin	81-81-2	C19H16O4	308.1049	309.1122	307.0976	ESI+	6
764 XMC (3, 5-xylyl methylcarbamate)	2655-14-3	C10H13NO2	179.0946	180.1019	178.0873	ESI+	12
765 Ziram	137-30-4	C6H12N2S4Zn	303.9175	304.9248	302.9102	ESI+	2
766 Zoxamide	156052-68-5	C14H16Cl3NO2	335.0247	336.0320	334.0174	ESI+	18

## ■追加情報

### Further Information

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