Accurate mass pesticide database

1. Scope

This report shows a database of 330 pesticides by using liquid chromatography high resolution mass spectrometry (LC-HRMS).

2. Analytical Conditions for the LCHRMS

Settings for liquid chromatography:

- Mobile phase:
  - A: 0.1% formic acid and 5% MilliQ water in acetonitrile
  - B: 0.1% formic acid in water (pH 3.5)
- Injection volume: 10 µL
- Flow: 0.6 mL/min.
- Column: XDB-C18 analytical column of 4.6 mm × 50 mm and 1.8 µm particle size.
- Elution gradient:

Time (min)	A (%)
0	10
1	10
11	100
17	100
17.1	10
24	10

NOTE:

IF YOU NEED THIS DATABASE IN .csv, .xls, ... PLEASE CONTACT WITH:

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3. HRMS Database

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
ACEPHATE	C4H10NO3PS	1.9	183.0113
ACEPHATE F1	C2H8NO2PS	1.9	141.0008
ACEPHATE F2	C3H6NO3P	1.9	135.0080
ACEPHATE F3	C2H5O2PS	1.9	123.9742
ACEPHATE F4	CH3O2PS	1.9	109.9586
ACETAMIPRID	C10H11ClN4	6.69	222.0672
ACETAMIPRID F1	C6H4ClN	6.69	125.0027
ACETOCHLOR	C14H20ClNO2	10.94	269.1177
ACETOCHLOR F1	C12H14ClNO	10.94	223.0758
ACETOCHLOR F2	C10H13N	10.94	147.1042
ACETOCHLOR F3	C9H9N	10.94	131.0729
ACETOCHLOR F4	C7H6	10.94	90.0464
ACLONIFEN	C12H9ClN2O3	11.17	264.0302
ACRINATHRIN F1	C14H9NO	13.46	207.0678
ACRINATHRIN	C26H21F6NO5	13.46	541.1234
ALACHLOR	C14H20ClNO2	10.9	269.1183
ALACHLOR F1	C11H15N	10.9	161.1204
ALANYCARB	C17H25N3O4S2	10.8	399.1281
ALANYCARB F1	C12H15NO2S	10.8	237.0818
ALANYCARB F2	C12H17NO2	10.8	207.1254
ALANYCARB F3	C12H15NO2	10.8	205.1097
ALANYCARB F4	C7H7NS	10.8	137.0294
ALBENDAZOLE	C12H15N3O2S	7.36	265.0879
ALBENDAZOLE F1	C11H11N3OS	7.36	233.0617
ALDICARB	C7H14N2O2S	7.48	190.0776
ALDICARB F1	C5H9NS	7.48	115.0450
ALDICARB F2	C4H5NS	7.48	99.0135
ALDICARB F3	C4H8S	7.48	88.0341
ALDICARB F4	C4H7N	7.48	69.0576
ALDICARB SULFONE	C7H14N2O4S	4.79	222.0669
ALDICARB SULFONE F1	C2H5NO2	4.79	75.0315
ALDICARB SULFOXIDE	C7H14N2O3S	3.41	206.0719
ALDICARB SULFOXIDE F1	C2H5NO2	3.41	75.0315
ALDICARB SULFOXIDE F2	C5H9NOS	3.41	131.0399
AMETRYNE	C9H17N5S	7.43	227.1199
AMETRYNE F1	C6H11N5S	7.43	185.0729
AMITRAZ	C19H23N3	12.65	293.1886
AMITRAZ F1	C17H20N2	12.65	252.1621
AMITRAZ F2	C10H14N2	12.65	162.1151
AMITRAZ F3	C8H11N	12.65	121.0886

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
ANILAZINE	C9H5Cl3N4	10.23	273.9575
ANILOFOS	C13H19ClNO3PS2	11.41	367.0227
ANILOFOS F1	C4H7O3PS2	11.41	197.9569
ANILOFOS F2	C3H7O2PS2	11.41	169.9619
ANILOFOS F3	C2H5O2PS2	11.41	155.9463
ANILOFOS F4	C2H5O2PS	11.41	123.9742
ATRAZINE	C8H14ClN5	8.74	215.0938
ATRAZINE F1	C5H8NCl5	8.74	173.0468
AZAMETHIPHOS	C9H10ClN2O5PS	7.94	323.9731
AZAMETHIPHOS F1	C7H3ClN2O2	7.94	181.9877
AZAMETHIPHOS F2	C5H2ClN	7.94	110.9870
AZINPHOS METHYL	C10H12N3O3PS2	9.82	317.0058
AZINPHOS METHYL F1	C8H5N3O	9.82	159.0427
AZINPHOS METHYL F2	C8H5NO	9.82	131.0365
AZINPHOS METHYL F3	C2H5O2PS	9.82	123.9742
AZINPHOS-ETHYL	C12H16N3O3PS2	10.82	345.0365
AZINPHOS-ETHYL F1	C12H16NO3PS2	10.82	317.0304
AZINPHOS-ETHYL F10	C7H5N	10.82	103.0416
AZINPHOS-ETHYL F11	HO2PS	10.82	95.9429
AZINPHOS-ETHYL F2	C12H8N3O2PS	10.82	289.0069
AZINPHOS-ETHYL F3	C11H13O3PS2	10.82	288.0038
AZINPHOS-ETHYL F4	C5H11O2PS2	10.82	197.9932
AZINPHOS-ETHYL F5	C3H7O2PS2	10.82	169.9619
AZINPHOS-ETHYL F6	C8H5N3O	10.82	159.0427
AZINPHOS-ETHYL F7	C6H4N2OS	10.82	152.0039
AZINPHOS-ETHYL F8	C8H5NO	10.82	131.0365
AZINPHOS-ETHYL F9	C2H5O2PS	10.82	123.9742
AZOXYSTROBIN	C22H17N3O5	10.04	403.1162
AZOXYSTROBIN F1	C21H13N3O4	10.04	371.0900
BENALAXYL	C20H23NO3	11.34	325.1678
BENALAXYL F1	C19H19NO2	11.34	293.1416
BENALAXYL F2	C12H17NO2	11.34	207.1259
BENALAXYL F3	C10H13N	11.34	147.1048
BENDIOCARB	C11H13NO4	8.37	223.0839
BENDIOCARB F1	C9H10O3	8.37	166.0624
BENDIOCARB F2	C6H4O2	8.37	108.0206
BENDIOCARB F3	C5H4O	8.37	80.0256
BENFURACARB	C20H30N2O5S	12.49	410.1870
BENFURACARB F1	C8H15NO2S	12.492	189.0816
BENSULFURON-METHYL	C16H18N4O7S	9.13	410.0891
BENSULFURON-METHYL F1	C9H8O2	9.13	148.0519
BENSULTAP	C17H21NO4S4	8.74	431.0348

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
BENSULTAP F1	C11H15NO2S3	8.74	289.0259
BENZOXIMATE	C18H18ClNO5	12.03	363.0868
BENZOXIMATE F1	C11H12ClNO3	12.03	241.0500
BIFENOX	C14H9Cl2NO5	11.82	340.9852
BIFENOX F1	C13H5Cl2NO4	11.82	308.9590
BITERTANOL	C20H23N3O2	10.554	337.1785
BITERTANOL F1	C18H20O2	10.554	268.1462
BITERTANOL F2	C18H18O	10.554	250.1347
BROMACIL	C9H13BrN2O2	7.558	260.0160
BROMACYL F1	C5H5BrN2O2	7.558	203.9534
BROMOXYNIL	C7H3Br2NO	8.84	274.8581
BROMUCONAZOLE	C13H12BrCl2N3O	9.98	374.9534
BROMUCONAZOLE F1	C11H9BrCl2O	9.98	305.9208
BROMUCONAZOLE F2	C7H4Cl2	9.98	157.9684
BROMUCONAZOLE F3	C2H3N3	9.98	69.0321
BUPIRIMATE	C13H24N4O3S	9.232	316.1563
BUPROFEZIN	C16H23N3OS	11.195	305.1556
BUPROFEZIN F1	C9H16N2OS	11.195	363.0622
BUTOCARBOXIM	C7H14N2O2S	7.06	190.0776
BUTOCARBOXIM F1	C3H6S	7.06	74.0184
BUTOCARBOXIM F2	C5H11NS	7.06	117.0606
BUTOXYCARBOXIM	C7H14N2O4S	4.79	222.0674
BUTOXYCARBOXIM F1	C5H9NO2S	4.79	147.0354
BUTOXYCARBOXIM F2	C4H7NO	4.79	85.0527
BUTOXYCARBOXIM F3	CH402S	4.79	79.9932
BUTOXYCARBOXIM F4	C2H5NO2	4.79	75.0320
BUTOXYCARBOXIM F5	C3H5NO	4.79	71.0371
BUTURON	C12H13ClN2O	9.39	236.0711
BUTURON F1	C8H9ClN2O	9.39	184.0398
BUTURON F2	C8H7N2Cl	9.39	166.0292
BUTURON F3	C6H4ClN	9.39	125.0027
BUTURON F4	C5H9N	9.39	83.0729
CAMBENDAZOLE	C14H14N4O2S	6.17	302.0832
CAMBENDAZOLE F1	C11H8N4O2S	6.17	260.0362
CAMBENDAZOLE F2	C11H6N4OS	6.17	242.0257
CAMBENDAZOLE F3	C10H8N4S	6.17	216.0464
CARBARYL	C12H11NO2	8.56	201.0790
CARBARYL F1	C10H8O	8.56	144.0569
CARBENDAZIM	C9H9N3O2	4.15	191.0689
CARBENDAZIM F1	C8H5N3O	4.15	159.0432
CARBETAMIDE	C12H16N2O3	7.36	236.1155
CARBETAMIDE F1	C10H9NO3	7.36	191.0577

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
CARBETAMIDE F2	C9H9NO2	7.36	163.0628
CARBETAMIDE F3	C7H5NO	7.36	119.0365
CARBETAMIDE F4	C5H11NO2	7.36	117.0784
CARBETAMIDE F5	C5H9NO	7.36	99.0678
CARBETAMIDE F6	C6H5N	7.36	91.0416
CARBOFURAN	C12H15NO3	8.309	221.1046
CARBOFURAN F1	C10H12O2	8.309	164.0832
CARBOFURAN F2	C7H6O2	8.309	122.0362
CARBOFURAN-3-HYDROXY	C12H15NO4	6.1	237.0996
CARBOFURAN-3-HYDROXY F1	C10H10O2	6.1	162.0675
CARBOPHENOTHION	C11H16ClO2PS3	13.09	341.9739
CARBOPHENOTHION F1	C7H5ClS	13.09	155.9800
CARBOSULFAN	C20H32N2O3S	14.63	380.2128
CHLORBROMURON	C9H10BrClN2O2	10.13	291.9608
CHLORBROMURON F1	C8H6BrClN2O	10.13	259.9346
CHLORBROMURON F2	C6H3BrClN	10.13	202.9132
CHLORFENAPYR	C15H11BrClF3N2O	12.32	405.9690
CHLORFENVINPHOS	C12H14Cl3O4P	11.08	357.9690
CHLORFENVINPHOS F1	C11H14Cl3O3P	11.08	329.9740
CHLORFENVINPHOS F2	C4H11O4P	11.08	154.0389
CHLORFENVINPHOS F3	C2H7O4P	11.08	126.0076
CHLORFENVINPHOS F4	H3O4P	11.08	97.9767
CHLORFLUAZURON	C20H9Cl3F5N3O3	12.89	538.9630
CHLORFLUAZURON F1	C7H5F2NO	12.89	157.0339
CHLORFLUAZURON F2	C7H2F2O	12.89	140.0074
CHLORIDAZON	C10H8ClN3O	6.34	221.0350
CHLOROTOLURON	C10H13ClN2O	8.5	212.0716
CHLOROTOLURON F1	C8H6ClNO	8.5	167.0138
CHLOROTOLURON F2	C3H5NO	8.5	71.0371
CHLOROXURON	C15H15ClN2O2	9.81	290.0816
CHLOROXURON F1	C3H5NO	9.81	71.0365
CHLORPROPHAM	C10H12ClNO2	10.43	213.0557
CHLORPROPHAM F1	C7H6ClNO2	10.43	171.0081
CHLORPROPHAM F2	C7H4ClNO	10.43	152.9976
CHLORPROPHAM F3	C6H4ClN	10.43	125.0027
CHLORSULFURON	C12H12ClN5O4S	8.43	357.0293
CHLORSULFURON F1	C5H8N4O	8.43	140.0692
CHROMAFENOZIDE	C24H30N2O3	10.65	394.2256
CHROMAFENOZIDE F1	C20H22N2O3	10.65	338.1630
CHROMAFENOZIDE F2	C11H10O2	10.65	174.0681
CINOSULFURON	C15H19N5O7S	8.02	413.1005
CLETHODIM	C17H26ClNO3S	9.87	359.1322

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
CLOFENTEZINE	C14H8Cl2N4	11.67	302.0120
CLOMAZONE	C12H14ClNO2	9.42	239.0707
CLOPYRALID	C6H3Cl2NO2	4.26	190.9541
CLOPYRALID F1	C6H2Cl2NO	4.26	173.9513
CLOTHIANIDIN	C6H8ClN5O2S	6.073	249.0082
CLOTHIANIDIN F1	C4H2ClNS	6.073	130.9587
COUMAPHOS	C14H16ClO5PS	11.53	362.0139
COUMAPHOS OXON	C14H16ClO6P	9.31	346.0367
COUMAPHOS OXON F1	C10H8ClO6P	9.31	289.9747
COUMAPHOS OXON F2	C12H12ClO6P	9.31	318.0060
CYANAZINE	C9H13ClN6	7.87	240.0890
CYANOFENPHOS	C15H14NO2PS	11.52	303.0477
CYANOFENPHOS F1	C13H10NO2PS	11.52	275.0164
CYANOFENPHOS F2	C6H5OPS	11.52	155.9793
CYANOFENPHOS F3	C7H3N	11.52	101.0260
CYCLOATE	C11H21NOS	12.25	215.1344
CYMOXANIL	C7H10N4O3	7.03	198.0753
CYMOXANIL F1	C6H9N3O2	7.03	155.0695
CYMOXANIL F2	C4H5N3O2	7.03	127.0382
CYMOXANIL F3	C5H6N4O3	7.03	170.0440
CYPROCONAZOLE	C15H18ClN3O	9.72	291.1133
CYPROCONAZOLE F1	C7H5Cl	9.72	124.0074
CYPROCONAZOLE F2	C2H3N3	9.72	69.0323
CYPRODINIL	C14H15N3	9.315	225.1260
CYROMAZINE	C6H10N6	1	166.0967
DAMINOZIDE	C6H12N2O3	1.01	160.0842
DAMINOZIDE F1	C6H10N2O2	1.01	142.0737
DEET	C12H17NO	8.77	191.1304
DEET F1	C8H6O	8.77	118.0413
DEET F2	C7H6	8.77	90.0464
DELTAMETHRIN	C22H19Br2NO3	13.45	502.9732
DEMETON S-METHYL	C6H15O3PS2	7.97	230.0200
DEMETON S-METHYL F1	C4H8S	7.97	88.0347
DEMETON-S-METHYLSULFONE	C6H15O5PS2	5.407	262.0093
DESETHYL TERBUTYLAZINE	C7H12ClN5	7.82	201.0775
DESETHYL TERBUTYLAZINE F1	C3H4ClN5	7.82	145.0149
DESMETHYL-PIRIMICARB	C10H16N4O2	4.66	224.1268
DIAFENTHIURON	C23H32N2OS	13.2	384.2235
DIALIFOS	C14H17ClNO4PS2	11.96	393.0019
DIALIFOS F1	C10H6ClNO2	11.96	207.0081
DIALIFOS F2	C4H11O2PS2	11.96	185.9932

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
DIAZINON	C12H21N2O3PS	11.73	304.1005
DIAZINON F1	C8H12N2S	11.73	168.0716
DIAZINON F2	C8H12N2O	11.73	152.0943
DICHLOFLUANID	C9H11Cl2FN2O2S2	11.18	331.9617
DICHLOFLUANID F1	C7H4Cl2NFS	11.18	222.9420
DICHLOFLUANID F2	C6H4NS	11.18	122.0059
DICHLORVOS	C4H7Cl2O4P	7.83	219.9453
DICHLORVOS F1	C2H5O3P	7.83	107.9971
DICLOBUTRAZOL	C15H19Cl2N3O	10.31	327.0899
DICLORAN	C6H4Cl2N2O2	9.56	205.9644
DICROTOPHOS	C8H16NO5P	5.28	237.0760
DICROTOPHOS F1	C6H9O5P	5.28	192.0182
DICROTOPHOS F2	C2H7O4P	5.28	126.0076
DICROTOPHOS F3	C6H9NO	5.28	111.0678
DIETHOFENCARB	C14H21NO4	9.88	267.1471
DIETHOFENCARB F1	C11H15NO4	9.88	225.1001
DIETHOFENCARB F2	C9H11NO4	9.88	197.0688
DIFENOCONAZOLE	C19H17Cl2N3O3	11.24	405.0641
DIFENOCONAZOLE F1	C13H8Cl2O	11.24	249.9947
DIFENOXURON	C16H18N2O3	8.89	286.1317
DIFLUBENZURON	C14H9ClF2N2O2	10.49	310.0321
DIFLUBENZURON F1	C7H5NOF2	10.49	157.0339
DIFLUBENZURON F2	C7H2F2O	10.49	140.0074
DIFLUFENICAN	C19H11F5N2O2	11.86	394.0741
DIMEFURON	C15H19ClN4O3	9.23	338.1140
DIMETHOATE	C5H12NO3PS2	6.61	228.9996
DIMETHOATE F1	C4H7O3PS2	6.61	197.9569
DIMETHOATE F2	C3H7O2PS2	6.61	169.9619
DIMETHOATE F3	C2H5O2PS2	6.61	155.9463
DIMETHOATE F4	C2H5O2PS	6.61	123.9742
DIMETHOMORPH	C21H22ClNO4	9.3	387.1237
DIMETHOMORPH F1	C17H13O3Cl	9.3	300.0548
DIMETHYLVINPHOS	C10H10Cl3O4P	10.02	329.9377
DIMETHYLVINPHOS F1	C8H3Cl3	10.02	203.9295
DIMETHYLVINPHOS F2	C2H7O4P	10.02	126.0076
DIMETHYLVINPHOS F3	C2H5O3P	10.02	107.9971
DINICONAZOLE	C15H17Cl2N3O	10.84	325.0749
DINOCAP	C18H24N2O6	13.27	364.1634
DINOTEFURAN	C7H14N4O3	3.08	202.1060
DINOTEFURAN F1	C5H11N3	3.08	113.0947
DISULFOTON	C8H19O2PS3	11.95	274.0285
DISULFOTON F1	C4H8S	11.95	88.0341

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
DIURON	C9H10Cl2N2O	8.8	232.0170
DIURON F1	C3H5NO	8.8	71.0371
DODEMORPH	C18H35NO	7.85	281.2713
DODEMORPH F1	C14H29NO	7.85	227.2243
EDIFENPHOS	C14H15O2PS2	11.01	310.0245
EDIFENPHOS F1	C12H11O2PS2	11.01	281.9932
EMAMECTIN BENZOATE	C49H75NO13	9.95	885.5233
EPOXICONAZOLE	C17H13ClFN3O	10.04	329.0726
ETHIOFENCARB	C11H15NO2S	8.8	225.0823
ETHIOFENCARB F1	C9H9NO2	8.8	163.0633
ETHIOFENCARB F2	C7H6O	8.8	106.0419
ETHION	C9H22O4P2S4	12.74	383.9871
ETHIPROLE	C13H9Cl2F3N4OS	9.62	395.9821
ETHOXYQUIN	C14H19NO	8.33	217.1467
ETHOXYQUIN F1	C13H15NO	8.33	201.1154
ETOFENPROX	C25H28O3	14.09	376.2038
ETOFENPROX F1	C23H28O2	14.09	336.2089
ETOFENPROX F2	C12H16O	14.09	176.1195
ETRIMFOS	C10H17N2O4PS	11.53	292.0647
ETRIMFOS F1	C8H13N2O4PS	11.53	264.0334
FENAMIDONE	C17H17N3OS	10.03	311.1092
FENAMIPHOS	C13H22NO3PS	9.97	303.1052
FENAMIPHOS F1	C11H18NO3PS	9.97	275.0739
FENAMIPHOS F2	C10H16NO3PS	9.97	261.0583
FENAMIPHOS F3	C8H12NO3PS	9.97	233.0270
FENAMIPHOS F4	C8H9O3PS	9.97	216.0004
FENAMIPHOS SULFONE	C13H22NO5PS	7.976	335.0951
FENAMIPHOS SULFOXIDE	C13H22NO4PS	7.059	319.1002
FENARIMOL	C17H12Cl2N2O	9.92	330.0321
FENAZAQUIN	C20H22N2O	13.14	306.1732
FENAZAQUIN F1	C12H16	13.14	160.1246
FENAZAQUIN F2	C8H6N2O	13.14	146.0474
FENBENDAZOLE	C15H13N3O2S	8.36	299.0723
FENBENDAZOLE F1	C14H9N3O5	8.36	267.0461
FENBENDAZOLE F2	C7H8N3O2	8.36	166.0611
FENBUCONAZOLE	C19H17ClN4	10.37	336.1136
FENFURAM	C12H11NO2	8.89	201.0784
FENFURAM F1	C6H4O2	8.89	108.0206
FENHEXAMID	C14H17ClNO2	10.24	301.0631
FENHEXAMID F1	C7H12	10.24	96.0933
FENITROTHION	C9H12NO5PS	10.72	277.0168
FENITROTHION F1	C3H9O3P	10.72	124.0284

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
FENOBUCARB	C12H17NO2	9.69	207.1254
FENOBUCARB F1	C8H9NO2	9.69	151.0628
FENOBUCARB F2	C6H6O	9.69	94.0413
FENOXAPROP-ETHYL	C18H16ClNO5	12.05	361.0711
FENOXYCARB	C17H19NO4	10.72	301.1308
FENPROPATHRIN	C22H23NO3	13.5	349.1672
FENPROPATHRIN F1	C8H12O	13.5	124.0882
FENPROPIDIN	C19H31N	8.2	273.2456
FENPROPIMORPH	C20H33NO	8.24	303.2562
FENPYROXIMATE	C24H27N3O4	12.99	421.2002
FENPYROXIMATE F1	C20H19N3O4	12.99	365.1376
FENTHION	C10H15O3PS2	11.36	278.0195
FENTHION F1	C9H11O3PS	11.36	230.0161
FENTHION OXON	C10H15O4PS	9.021	262.0423
FENTHION OXON SULFOXIDE	C10H15O5PS	5.968	278.0373
FENTHION SULFONE	C10H15O5PS2	9.299	310.0093
FENTHION SULFONE F1	C2H5O2PS	9.299	123.9742
FENTHION SULFOXIDE	C10H15O4PS2	8.194	294.0144
FENURON	C9H12N2O	5.94	164.0950
FENURON F1	C6H7N	5.94	93.0578
FLAMPROP	C16H13ClFNO3	9.09	321.0562
FLAMPROP-METHYL	C17H15ClFNO3	10.51	335.0719
FLAZASULFURON	C13H12F3N5O5S	9.3	407.0511
FLAZASULFURON F1	C6H5F3N2O2S	9.3	226.0024
FLAZASULFURON F2	C7H7N3O3	9.3	181.0487
FLAZASULFURON F3	C6H9N3O2	9.3	155.0695
FLONICAMID	C9H6F3N3O	5.37	229.0463
FLORASULAM	C12H8F3N5O3S	8.41	359.0294
FLUACRYPYRIM	C20H21F3N2O5	12.02	426.1397
FLUACRYPYRIM F1	C12H12O3	12.02	204.0781
FLUACRYPYRIM F2	C10H8O	12.02	144.0569
FLUAZIFOP-BUTYL	C19H20F3NO4	12.57	383.1344
FLUFENACET	C14H13F4N3O2S	10.87	363.0665
FLUFENACET F1	C11H12FNO	10.87	193.0903
FLUFENACET F2	C8H6FNO	10.87	151.0433
FLUFENOXURON	C21H11ClF6N2O3	12.62	488.0362
FLUFENOXURON F1	C7H5F2NO	12.62	157.0334
FLUODIOXONIL	C12H6F2N2O2	9.75	248.0392
FLUODIOXONIL F1	C12H5FN2O2	9.75	228.0329
FLUOMETURON	C10H11F3N2O	8.59	232.0823
FLUOROACETAMIDE	C2H4FNO	1.05	77.0271
FLUQUINCONAZOLE	C16H8Cl2FN5O	10.25	375.0084

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
FLUQUINCONAZOLE F1	C15H2ClFN4O	10.25	307.9895
FLURIDONE	C19H14F3NO	9.54	329.1022
FLUROXYPYR	C7H5Cl2FN2O3	7.73	253.9661
FLUROXYPYR F1	C7H3Cl2FN2O2	7.73	235.9556
FLUROXYPYR F2	C6H3Cl2FN2O	7.73	207.9606
FLUROXYPYR F3	C5H3Cl2FN2	7.73	179.9657
FLURTAMONE	C18H14F3NO2	9.77	333.0971
FLUSILAZOLE	C16H15F2N3Si	10.27	315.0998
FLUSILAZOLE F1	C14H12F2Si	10.27	246.0671
FLUTRIAFOL	C16H13F2N3O	8.462	301.1021
FLUTRIAFOL F1	C14H10F2O	8.462	232.0702
FOLPET	C9H4Cl3NO2S	10.57	294.9023
FOLPET F1	C9H3Cl2NO2S	10.57	258.9256
FONOFOS	C10H15OPS2	11.72	246.0302
FONOFOS F1	C8H11OPS2	11.72	217.9989
FONOFOS F2	C4H9OPS	11.72	136.0112
FONOFOS F3	C2H5OPS	11.72	107.9799
FORCHLORFENURON	C12H10ClN3O	8.45	247.0512
FORCHLORFENURON F1	C6H3ClN2O	8.45	153.9934
FORCHLORFENURON F2	C5H6ClNO	8.45	131.0138
FORCHLORFENURON F3	C5H5ClN2	8.45	128.0141
FORCHLORFENURON F4	C5H6N2O	8.45	110.0480
FORCHLORFENURON F5	C5H2N2	8.45	90.0218
FORMETANATE	C11H15N3O2	0.97	221.1159
FORMETANATE F1	C9H12N2O	0.97	221.1159
FOSTHIAZATE	C9H18NO3PS2	8.55	283.0460
FOSTHIAZATE F1	C5H10NO3PS2	8.55	226.9834
FOSTHIAZATE F2	C3H5NOS	8.55	103.0086
FUBERIDAZOLE	C11H8N2O	4.6	184.0637
FURATHIOCARB	C18H26N2O5S	12.47	382.1562
HALOXYFOP	C15H11ClF3NO4	10.43	361.0323
HALOXYFOP ETOTYL	C19H19ClF3NO5	12.25	433.0898
HALOXYFOP ETOTYL F1	C14H9ClF3NO2	12.25	315.0268
HALOXYFOP METHYL	C16H13ClF3NO4	11.77	375.0485
HEPTENOPHOS	C9H12ClO4P	8.93	250.0162
HEXACONAZOLE	C14H17Cl2N3O	10.5	313.0743
HEXAFLUMURON	C16H8Cl2F6N2O3	11.62	459.9816
HEXAFLUMURON F1	C7H5F2NO	11.62	157.0339
HEXYTHIAZOX	C17H21ClN2O2S	12.97	352.1007
HEXYTHIAZOX F1	C11H11N2O2SCl	12.97	270.0224
HEXYTHIAZOX F2	C10H10ClNOS	12.97	227.0166
HEXYTHIAZOX F3	C9H10NCl	12.97	167.0496

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
IMAZALIL	C14H14Cl2N2O	7.402	296.0477
IMAZALIL F1	C7H4Cl2	7.402	157.9685
IMAZAPYR	C13H15N3O3	5.2	261.1113
IMAZAPYR F1	C12H15N3O2	5.2	233.1164
IMAZAQUIN	C17H17N3O3	7.83	311.1264
IMAZAQUIN F1	C16H17N3O2	7.83	283.1316
IMIDACLOPRID	C9H10ClN5O2	6.45	255.0517
IMIDACLOPRID F1	C9H9ClN4	6.45	208.0510
IMIDACLOPRID F2	C9H10N4	6.45	174.0900
IMIDACLOPRID F3	C3H6N2	6.45	70.0525
INDOXACARB	C22H17ClF3N3O7	11.79	527.0701
IOXYNIL	C7H3I2NO	9.45	370.8304
IPRODIONE	C13H13Cl2N3O3	10.65	329.0328
IPRODIONE F1	C10H7Cl2N3O3	10.65	286.9854
IPRODIONE F2	C9H6Cl2N2O2	10.65	243.9801
IPROVALICARB	C18H28N2O3	9.91	320.2094
IPROVALICARB F1	C15H22N2O3	9.91	278.1625
IPROVALICARB F2	C14H22N2O	9.91	234.1726
IPROVALICARB F3	C9H18N2O3	9.91	202.1312
IPROVALICARB F4	C9H15NO3	9.91	185.1046
IPROVALICARB F5	C6H12N2O3	9.91	160.0842
IPROVALICARB F6	C6H9NO3	9.91	143.0577
IPROVALICARB F7	C9H10	9.91	118.0777
IPROVALICARB F8	C5H9NO2	9.91	115.0628
IPROVALICARB F9	C7H6	9.91	90.0464
ISAZOFOS	C9H17ClN3O3PS	11.03	313.0412
ISAZOFOS F1	C2H2N3OCl	11.03	118.9881
ISOCARBOPHOS	C11H16NO4PS	9.6	289.0538
ISOCARBOPHOS F1	C11H13O4PS	9.6	272.0266
ISOCARBOPHOS F2	C8H7O4PS	9.6	229.9797
ISOFENPHOS	C15H24NO4PS	12	345.1158
ISOFENPHOS F1	C9H9O4PS	12	243.9956
ISOFENPHOS F2	C7H5O4PS	12	215.9640
ISOFENPHOS-METHYL	C14H22NO4PS	11.63	331.1001
ISOFENPHOS-METHYL F1	C11H13O4PS	11.63	272.0266
ISOFENPHOS-METHYL F2	C8H7O4PS	11.63	229.9797
ISOFENPHOS-OXON	C15H24NO5P	9.74	329.1386
ISOPROCARB	C11H15NO2	9.1	193.1103
ISOPROCARB F1	C8H9NO2	9.1	151.0633
ISOPROCARB F2	C9H12O	9.1	136.0888
ISOPROCARB F3	C6H6O	9.1	94.0419
ISOPROTURON	C12H18N2O	8.76	206.1419

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
ISOPROTURON F1	C9H12N2O	8.76	164.0950
ISOXAFLUTOLE	C15H12F3NO4S	10.07	359.0433
ISOXAFLUTOLE F1	C9H5O3F3S	10.07	249.9906
ISOXATHION	C13H16NO4PS	11.94	313.0532
ISOXATHION F1	C9H7NO2	11.94	161.0471
ISOXATHION F2	C11H12NO4PS	11.94	285.0219
ISOXATHION F3	C9H8NO4PS	11.94	256.9906
IVERMECTIN A	C48H74O14	15.68	874.5079
IVERMECTIN B	C47H72O14	14.78	872.4922
KRESOXIM-METHYL	C18H19NO4	11.13	313.1308
KRESOXIM-METHYL F1	C17H15NO3	11.13	281.1046
KRESOXIM-METHYL F2	C17H14O3	11.13	266.0937
KRESOXIM-METHYL F3	C16H15NO2	11.13	253.1097
KRESOXIM-METHYL F4	C15H11NO4	11.13	221.0835
KRESOXIM-METHYL F5	C11H11NO3	11.13	205.0733
LENACIL	C13H18N2O2	7.95	234.1368
LENACIL F1	C7H8N2O2	7.95	152.0586
LINURON	C9H10Cl2N2O2	9.95	248.0114
LINURON F1	C8H6ClN2O	9.95	181.0163
LINURON F2	C6H3Cl2N	9.95	158.9637
LUFENURON	C17H8Cl2F8N2O3	12.29	509.9779
LUFENURON F1	C7H5F2NO	12.29	157.0334
MALAOXON	C10H19O7PS	8.11	314.0583
MALATHION	C10H19O6PS2	10.7	330.0355
MALATHION F1	C8H13O5PS2	10.7	283.9936
MALATHION F2	C7H13O4PS2	10.7	255.9987
MALATHION F3	C5H7O3PS2	10.7	209.9569
MALATHION F5	C6H6O3	10.7	126.0311
MALATHION F6	C2H5O2PS	10.7	123.9742
MALATHION F7	C4H2O3	10.7	97.9998
MEBENDAZOLE	C16H13N3O3	7.47	295.0951
MEBENDAZOLE F1	C15H9N3O2	7.47	263.0689
MECARBAM	C10H20NO5PS2	11.06	329.0521
MECARBAM F1	C6H11O3PS2	11.06	225.9887
MECARBAM F2	C4H7O5PS	11.06	197.9752
MECARBAM F3	C4H9O2PS	11.06	152.0061
MECARBAM F4	CH3O2PS2	11.06	141.9312
MECARBAM F5	HO2PS2	11.06	127.9156
MECARBAM F6	C2H5O2PS	11.06	123.9748
MECARBAM F7	C4H5NO3	11.06	115.0269
MECARBAM F8	HO2PS2	11.06	95.9435
MEPANIPYRIM	C14H13N3	10.41	223.1104

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
MERPHOS	C12H27PS3	8.1	298.1007
METALAXYL	C15H21NO4	8.721	279.1465
METALAXYL F1	C14H17NO3	8.721	247.1203
METALAXYL F2	C13H17NO2	8.721	219.1254
METALAXYL F3	C12H17NO	8.721	191.1304
METAMITRON	C10H10N4O	5.8	202.0855
METAMITRON F1	C9H10N4	5.8	174.0905
METAMITRON F2	C3H9N3O	5.8	103.0746
METAZACHLOR	C14H16ClN3O	9.21	277.0982
METAZACHLOR F1	C14H15N3O	9.21	241.1215
METAZACHLOR F2	C11H12ClNO	9.21	209.0607
METAZACHLOR F3	C9H11N	9.21	133.0891
METCONAZOLE	C17H22ClN3O	10.6	319.1446
METHAMIDOPHOS	C2H8NO2PS	1.47	141.0008
METHAMIDOPHOS F1	C2H5O2PS	1.47	123.9742
METHAMIDOPHOS F2	CH4NO2P	1.47	92.9974
METHIDATHION	C6H11N2O4PS3	9.98	301.9619
METHIDATHION F1	C4H4N2O2S	9.98	143.9988
METHIDATHION F2	C3H4N2O	9.98	84.0318
METHIOCARB	C11H15NO2S	9.67	225.0818
METHIOCARB F1	C9H12OS	9.67	168.0604
METHIOCARB SULFONE	C11H15NO4S	6.93	257.0716
METHIOCARB SULFONE F1	C9H12O3S	6.93	200.0501
METHIOCARB SULFOXIDE	C11H15NO3S	5.91	241.0767
METHIOCARB SULFOXIDE F1	C9H12O2S	5.91	184.0552
METHIOCARB SULFOXIDE F2	C8H9O2S	5.91	169.0318
METHOMYL	C5H10N2O2S	5.14	162.0463
METHOMYL F1	C3H7NOS	5.14	105.0248
METHOMYL F2	C3H7NOS	5.14	105.0243
METHOMYL F3	C3H5NS	5.14	87.0137
METHOXYFENOZIDE	C22H28N2O3	10.4	368.2095
METHOXYFENOZIDE F1	C18H20N2O3	10.4	312.1468
METOBROMURON	C9H11BrN2O2	9.17	258.0004
METOBROMURON F1	C8H7N2OBr	9.17	225.9742
METOBROMURON F2	C6H4NBr	9.17	168.9527
METOBROMURON F3	C5H3Br	9.17	141.9418
METOLACHLOR	C15H22ClNO2	10.87	283.1339
METOLACHLOR F1	C14H18ClNO	10.87	251.1077
METOLACHLOR F2	C13H16ClNO	10.87	237.0920
METOLACHLOR F3	C11H15N	10.87	161.1204
METOLCARB	C9H11NO2	7.75	165.0790
METOLCARB F1	C7H8O	7.75	108.0569

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
METOSULAM	C14H13Cl2N5O4S	8.74	417.0060
METOXURON	C10H13ClN2O2	7.37	228.0666
METOXURON F1	C7H5NO	7.37	119.0371
METOXURON F2	C3H5NO	7.37	71.0371
METRIBUZIN	C8H14N4OS	7.8	214.0888
METRIBUZIN F1	C7H14N4S	7.8	186.0939
METSULFURON METHYL	C14H15N5O6S	8.03	381.0738
MEVINPHOS	C7H13O6P	6.73	224.0450
MEVINPHOS F1	C6H9O5P	6.73	192.0188
MEVINPHOS F2	C2H7O4P	6.73	126.0082
MEVINPHOS F3	C2H5O3P	6.73	107.9976
MICONAZOLE	C18H14Cl4N2O	9.02	413.9855
MICONAZOLE F1	C11H11ClN2O	9.02	222.0554
MICONAZOLE F2	C7H4Cl2	9.02	157.9684
MOLINATE	C9H17NOS	10.51	187.1031
MOLINATE F1	C7H11NO	10.51	125.0841
MONOCROTOPHOS	C7H14NO5P	5.07	223.0604
MONOCROTOPHOS F1	C6H9O5P	5.07	192.0182
MONOCROTOPHOS F2	C2H5O3P	5.07	107.9971
MONOCROTOPHOS F3	C5H7NO	5.07	97.0522
MONOLINURON	C9H11ClN2O2	8.92	214.0503
MONOLINURON F1	C8H7ClN2O	8.92	182.0241
MONOLINURON F2	C6H4ClN	8.92	125.0027
MONURON	C9H11ClN2O	7.76	198.0554
MONURON F1	C7H4ClNO	7.76	152.9976
MONURON F2	C6H4ClN	7.76	125.0027
MONURON F3	C3H5NO	7.76	71.0365
MYCLOBUTANIL	C15H17ClN4	10.01	288.1136
MYCLOBUTANIL F1	C2H3N3	10.01	69.0321
MYCLOBUTANIL F2	C7H5Cl	10.01	124.0074
NALED	C4H7Br2Cl2O4P	9.18	377.7826
NALED F1	C2H7O4P	9.18	126.0082
NAPROPAMIDE	C17H21NO2	10.38	271.1572
NEBURON	C12H16Cl2N2O	10.98	274.0634
NEBURON F1	C6H11NO	10.98	113.0835
NEBURON F2	C5H13N	10.98	87.1042
NITENPYRAM	C11H15ClN4O2	7.83	270.0878
NUARIMOL	C17H12ClFN2O	9.23	314.0622
OFURACE	C14H16ClNO3	8.9	281.0819
OMETHOATE	C5H12NO4PS	2.19	213.0219
OMETHOATE F1	C5H10NO3PS	2.19	195.0113
OMETHOATE F2	C3H7O4PS	2.19	181.9803

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
OMETHOATE F3	C3H7O3PS	2.19	153.9848
OMETHOATE F4	C2H5O2PS	2.19	123.9742
OMETHOATE F5	C2H5O3P	2.19	107.9971
ORTHOPHENYLPHENOL	C11H11O	9.732	170.0732
ORTHOPHENYLPHENOL F1	C11H9	9.732	152.0626
OXADIXYL	C14H18N2O4	7.71	278.1261
OXADIXYL F1	C12H14N2O2	7.71	218.1050
OXADIXYL F2	C4H7NO2	7.71	101.0471
OXAMYL	C7H13N3O3S	4.52	219.0678
OXFENDAZOLE	C15H13N3O3S	6.42	315.0672
OXFENDAZOLE F1	C14H9N3O2S	6.42	283.0410
OXFENDAZOLE F2	C13H6N2OS	6.42	238.0195
OXYCARBOXIN	C12H13NO4S	7.21	267.0560
OXYCARBOXIN F1	C6H6O4S	7.21	173.9981
OXYDEMETON-METHYL	C6H15O4PS2	4.46	246.0149
OXYDEMETON-METHYL F1	C4H9O3PS	4.46	168.0010
OXYDEMETON-METHYL F2	C4H11O4PS2	4.46	217.9836
PACLOBUTRAZOL	C15H20ClN3O	9.46	293.1290
PARAOXON ETHYL	C10H14NO6P	8.99	275.0553
PARAOXON ETHYL F1	C8H10NO6P	8.99	247.0240
PARAOXON ETHYL F2	C6H6NO6P	8.99	218.9927
PARAOXON-METHYL	C8H10NO6P	7.745	247.0241
PARAOXON-METHYL F1	C2H5O3P	7.745	107.9968
PARATHION ETHYL	C10H14NO5PS	11.32	291.0330
PARATHION ETHYL F1	C8H10NO5PS	11.32	234.9699
PARATHION ETHYL F2	C10H21NOS	11.32	263.0012
PEBULATE	C7H13NO	12.03	203.1339
PEBULATE F1	C13H15Cl2N3	12.03	127.0991
PENCONAZOLE	C13H15Cl2N3	10.61	283.0637
PENCONAZOLE F1	C7H4Cl2	10.61	173.9811
PENCONAZOLE F2	C19H21ClN2O	10.61	159.9654
PENCYCURON	C19H21ClN2O	11.767	328.1342
PENDIMETHALIN	C8H7N3O3	13.01	281.1370
PENDIMETHALIN F1	C12H17O4PS2	13.01	193.0482
PENTHOATE	C12H17O4PS2	11.48	320.0306
PHENTHOATE F1	C10H10O2	11.48	162.0681
PHORATE	C7H17O2PS3	11.88	260.0128
PHORATE SULFONE	C7H17O4PS3	9.6	292.0027
PHORATE SULFONE F1	C5H11O2PS2	9.6	197.9938
PHOSALONE	C12H15ClNO4PS2	11.83	366.9863
PHOSALONE F1	C11H13ClNO4PS	11.83	320.9986
PHOSALONE F2	C8H6ClNS	11.83	182.9904

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
PHOSALONE F3	C8H4ClNO2	11.83	180.9925
PHOSALONE F4	C7H4NCl	11.83	137.0027
PHOSALONE F5	C6H3Cl	11.83	109.9918
PHOSMET	C11H12NO4PS2	9.95	316.9940
PHOSMET F1	C9H5NO2	9.95	159.0315
PHOSMET OXON	C11H12NO5PS	7.418	301.0174
PHOSMET OXON F1	C9H5NO2	7.418	159.0310
PHOSPHAMIDON	C10H19ClNO5P	7.3	299.0689
PHOSPHAMIDON F1	C2H7O4P	7.3	126.0082
PHOXIM	C12H15N2O3PS	11.799	298.0536
PHOXIM F1	C8H4N2	11.799	128.0374
PICLORAM	C6H3Cl3N2O2	5.63	239.9260
PICOLINAFEN	C19H12F4N2O2	12.24	376.0835
PICOXYSTROBIN	C18H16F3NO4	12.02	367.1026
PIRIMICARB	C11H18N4O2	5.67	238.1424
PIRIMICARB F1	C3H7N2	5.67	71.0604
PIRIMIPHOS-METHYL	C11H20N3O3PS	9.77	305.0957
PROCHLORAZ	C15H16Cl3N3O2	9.45	375.0302
PROCHLORAZ F1	C12H12NO2Cl3	9.45	306.9928
PROCYMIDONE	C13H11Cl2NO2	10.79	283.0161
PROCYMIDONE F1	C12H11Cl2NO	10.79	255.0212
PROFENOFOS	C11H15BrClO3PS	12.207	371.9346
PROMECARB	C12H17NO2	10.04	207.1259
PROMECARB F1	C11H15NO2	10.04	193.1103
PROMECARB F2	C10H14O	10.04	150.1045
PROMETRYN	C10H19N5S	8.26	241.1361
PROMETRYN F1	C7H13N5S	8.26	199.0892
PROMETRYN F2	C4H7N5S	8.26	157.0422
PROPACHLOR	C11H14ClNO	9.34	211.0758
PROPACHLOR F1	C8H8ClNO	9.34	169.0289
PROPAMOCARB	C9H20N2O2	2.13	188.1519
PROPAMOCARB F1	C4H7NO2	2.13	101.0471
PROPANIL	C9H9NOCl2	9.66	217.0055
PROPANIL F1	C6H5Cl2N	9.66	160.9793
PROPAPHOS	C13H21O4PS	10.74	304.0893
PROPAPHOS F1	C10H15O4PS	10.74	262.0423
PROPAPHOS F2	C7H9O4PS	10.74	219.9953
PROPAQUIZAFOP	C22H22ClN3O5	12.24	443.1248
PROPARGITE	C19H26O4S	12.97	350.1552
PROPAZINE	C9H16ClN5	9.61	229.1094
PROPAZINE F1	C6H10ClN5	9.61	187.0625
PROPAZINE F2	C3H4ClN5	9.61	145.0155

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
PROPHAM	C10H13NO2	9.34	179.0946
PROPICONAZOLE	C15H17Cl2N3O2	10.88	341.0692
PROPICONAZOLE F1	C7H4Cl2	10.88	157.9684
PROPOXUR	C11H15NO3	8.34	209.1052
PROPOXUR F1	C8H9NO3	8.34	167.0582
PROSULFOCARB	C14H21NOS	12.47	251.1344
PROSULFOCARB F1	C7H6	12.47	90.0470
PROTHIOCONAZOLE	C14H15Cl2N3OS	10.717	343.0308
PROTHIOCONAZOLE F1	C12H9Cl	10.717	188.0394
PROTHIOCONAZOLEDESTHIO	C14H15Cl2N3O	10.085	311.0587
PROTHIOCONAZOLEH2O	C14H13Cl2N3S	10.717	325.0207
PROTHIOPHOS	C11H15Cl2O2PS2	13.84	343.9628
PYMETROZINE	C10H11N5O	1.26	217.0964
PYRACLOSTROBIN	C19H18ClN3O4	11.644	387.0981
PYRACLOSTROBIN F1	C10H11NO3	11.644	193.0731
PYRAZOPHOS	C14H20N3O5PS	11.52	373.0856
PYRAZOPHOS F1	C12H16N3O5PS	11.52	345.0543
PYRIDABEN	C19H25ClN2OS	13.6	364.1370
PYRIDABEN F1	C15H17ClN2OS	13.6	308.0744
PYRIDABEN F2	C11H14	13.6	146.1090
PYRIDALYL	C18H14Cl4F3NO3	14.96	488.9674
PYRIDALYL F1	C12H10O2Cl4	14.96	325.9429
PYRIDAPHENTHION	C14H17N2O4PS	10.18	340.0647
PYRIDATE	C19H23ClN2O2S	14.33	378.1163
PYRIFENOX	C14H12Cl2N2O	7.82	294.0327
PYRIMETHANIL	C12H13N3	8.23	199.1104
PYRIMIDIFEN	C20H28ClN3O2	10.3	377.1864
PYRIPROXYFEN	C20H19NO3	12.72	321.1359
PYRIPROXYFEN F1	C15H14O2	12.64	226.0988
PYRIPROXYFEN F2	C12H8O2	12.64	184.0519
PYRIPROXYFEN F3	C5H5NO	12.64	95.0365
PYRIPROXYFEN F4	C5H3N	12.64	77.0260
QUINALPHOS	C12H15N2O3PS	11.34	298.0541
QUINALPHOS F1	C8H6N2O	11.34	146.0480
QUINOCLAMINE	C10H6ClNO2	7.95	207.0087
CHINOMETHIONAT	C10H6N2OS2	12.12	233.9922
QUINOXYFEN	C15H8Cl2FNO	12.26	306.9961
QUIZALOFOP-ETHYL	C19H17ClN2O4	12.13	372.0877
ROTENONE	C23H22O6	10.7	394.1416
SILAFLUOFEN	C25H29FO2Si	14.49	430.1735
SIMAZINE	C7H12ClN5	7.7	201.0775
SIMAZINE F1	C4H6ClN3	7.7	131.0245

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
SIMETRYN	C8H15N5S	6.62	213.1043
SPINOSYN A	C41H65NO10	9.06	731.4603
SPINOSYN A F1	C32H40NO6	9.06	543.3554
SPINOSYN D	C42H67NO10	9.29	745.4759
SPINOSYN D F1	C33H42NO6	9.38	557.3711
SPINOSYN D F2	C25H34O9	9.38	478.2197
SPIROMESIFEN	C23H30O4	13.35	370.2138
SPIROMESIFEN F1	C17H20O3	13.35	272.1407
SPIROMESIFEN F2	C17H18O2	13.35	254.1301
SPIROXAMINE	C18H35NO2	8.28	297.2662
SPIROXAMINE F1	C8H17NO	8.28	143.1304
SPIROXAMINE F2	C6H13N	8.28	99.1042
SULFOSULFURON	C16H18N6O7S2	9.05	470.0673
SULFOTEP	C8H20O5P2S2	11.78	322.0227
SULFOTEP F1	C6H16O5P2S2	11.78	293.9914
SULFOTEP F2	C4H11O3PS	11.78	170.0167
SULPROFOS	C12H19O2PS3	12.85	322.0280
SULPROFOS F1	C7H6OS	12.85	138.0134
SULPROFOS F2	C7H7O2PS2	12.85	217.9619
TEBUCONAZOLE	C16H22ClN3O	10.34	307.1446
TEBUFENOZIDE	C22H28N2O2	10.91	352.2145
TEBUFENOZIDE F1	C18H20N2O2	10.91	296.1519
TEBUFENOZIDE F2	C9H8O	10.91	132.0569
TEBUFENPYRAD	C18H24ClN3O	12.24	333.1602
TEFLUBENZURON	C14H6Cl2F4N2O2	9.89	379.9737
TERBUFOS	C9H21O2PS3	12.67	288.0441
TERBUFOS F1	C4H11O2PS2	12.67	185.9938
TERBUMETON	C10H19N5O	6.78	225.1590
TERBUMETON F1	C6H11N5O	6.78	169.0964
TERBUTHYLAZINE	C9H16ClN5	9.75	229.1094
TERBUTHYLAZINE F1	C5H8ClN5	9.75	173.0468
TERBUTRYN	C10H19N5S	8.36	241.1361
TERBUTRYN F1	C6H11N5S	8.36	185.0735
TETRACHLORVINPHOS	C10H9Cl4O4P	10.64	363.8987
TETRACHLORVINPHOS F1	C3H7O4P	10.64	126.0076
TETRACONAZOLE	C13H11Cl2F4N3O	10.14	371.0210
TETRACONAZOLE F1	C7H4Cl2	10.14	157.9684
THIABENDAZOLE	C10H7N3S	4.71	201.0355
THIABENDAZOLE F1	C9H6N2S	4.71	174.0246
THIACLOPRID	C10H9ClN4S	7.23	252.0231
THIACLOPRID F1	C10H8N4S	7.23	216.0464
THIACLOPRID F2	C6H4ClN	7.23	125.0027

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
THIAMETHOXAM	C8H10ClN5O3S	5.68	291.0187
THIAMETHOXAM F1	C8H10N4OS	5.68	210.0570
THIFENSULFURON-METHYL	C12H13N5O6S2	7.83	387.0302
THIFENSULFURON-METHYL F1	C6H6N4O2	7.83	166.0485
THIOCYCLAM HIDROGENOXALATE	C5H11NS3	1.83	181.0048
THIOCYCLAM HIDROGENOXALATE F1	C3H4S3	1.83	135.9469
THIOCYCLAM HIDROGENOXALATE F2	C3H2S2	1.83	101.9592
THIOCYCLAM HIDROGENOXALATE F3	C5H11N	1.83	85.0886
THIODICARB	C10H18N4O4S3	8.06	354.0490
THIOPHANATE-ETHYL	C14H18N4O4S2	9.2	370.0764
THIOSULTAP	C5H13NO6S4	1	310.9620
THIOSULTAP F1	C5H13NO3S3	1	231.0052
TOLFENPYRAD	C21H22ClN3O2	12.31	383.1401
TOLYLFLUANID	C10H13Cl2FN2O2S2	11.72	345.9780
TOLYLFLUANID F1	C8H6NFSCl2	11.72	236.9576
TRIADIMEFON	C14H16ClN3O2	10.15	293.0925
TRIADIMEFON F1	C12H13O2Cl	10.15	224.0598
TRIADIMEFON F2	C11H13OCl	10.15	196.0649
TRIADIMENOL	C14H18ClN3O2	9.46	295.1082
TRIADIMENOL F1	C12H15ClO2	9.46	226.0755
TRIADIMENOL F2	C6H10O	9.46	98.0726
TRIADIMENOL F3	C2H3N3	9.46	69.0321
TRIASULFURON	C14H16ClN5O5S	8.25	401.0555
TRIAZOPHOS	C12H16N3O3PS	10.73	313.0644
TRIAZOPHOS F1	C8H7N3O	10.73	161.0583
TRIBENURON-METHYL	C15H17N5O6S	9.25	395.0900
TRICHLORFON	C4H8Cl3O4P	5.76	255.9220
TRICHLORFON F1	C4H7Cl2O4P	5.76	219.9453
TRICLOCARBAN	C13H9Cl3N2O	11.68	313.9775
TRICLOCARBAN F1	C6H5Cl2N	11.68	160.9793
TRICYCLAZOLE	C9H7N3S	9.68	189.0355
TRIFLOXYSTROBIN	C20H19F3N2O4	11.95	408.1291
TRIFLOXYSTROBIN F1	C9H6NF3	11.95	185.0447
TRIFLUMIZOL	C15H15ClF3N3O	10.5	345.0850
TRIFLUMIZOL F1	C12H11NOF3Cl	10.5	277.0476
TRIFLUMURON	C15H10ClF3N2O3	11.22	358.0326
TRIFLUMURON F1	C7H6ClNO	11.22	155.0132
TRIFLURALIN	C13H16F3N3O4	12.74	335.1087

Compound	Molecular Formula	Retention time (min)	Theoretical Mass
TRIPHENYL PHOSPHATE	C18H15O4P	11.48	326.0702
TRITICONAZOLE	C17H20ClN3O	9.642	317.1290
VAMIDOTHION	C8H18NO4PS2	5.82	287.0415
VAMIDOTHION F1	C6H11NOS	5.82	145.0561
VINCLOZOLIN	C12H9Cl2NO3	11.13	284.9954
VINCLOZOLIN F1	C11H9NOCl2	11.13	241.0055
XMC	C10H13NO2	1.85	179.0941
XMC F1	C5H9NO	1.85	99.0678
XMC F2	C7H6	1.85	90.0464
ZOXAMIDE	C14H16Cl3NO2	11.575	335.0241
ZOXAMIDE F1	C14H15Cl2NO2	11.575	299.0472
ZOXAMIDE F2	C8H4Cl2O	11.575	185.9641