

Pesticide LC/MS/MS Library Version 1.0 for Cliquid[®] Software

iMethods™ Test Pesticides Library Version 1.0 for Cliquid[®] Software

The following description outlines the 603 pesticide MRM catalogue and 544 pesticide spectral library that is available for use with AB SCIEX API or QTRAP[®] LC/MS/MS systems and Cliquid[®] Software. This library and MRM catalogue, created using certified reference materials, can be used alone to create custom screening and/or quantitation methods or in conjunction with the iMethod™ test for pesticide screening. The iMethod™ test for pesticide screening is sold separately and provides a pre-configured test for the screening of 494 pesticides from vegetable, nut and citrus plant samples using the QuEChERS extraction and cleanup technique. This library is verified for use on AB SCIEX 3200 QTRAP[®], 4000 QTRAP[®] and AB SCIEX QTRAP[®] 5500 LC/MS/MS Systems.

The MRM catalogue and spectral library contain information on the most common 603 pesticides and their metabolites that need to be monitored in vegetables or other food products. The MRM catalogue contains up to three transitions per compound. Each compound in the library has individual spectra acquired using three distinct collision energies (20 eV, 35 eV, 50 eV), as well as a single spectra representing the sum of all three collision

energies. If compounds ionize in both polarities, spectra for both are included, bringing the potential total number of spectra per compound to eight.

The MRM catalogue can be used to build methods without the need to re-infuse standards and optimize MRM transitions for a given compound. Screening and/or quantitation methods can be created for use with an MRM triggered EPI workflow, for use on QTRAP[®] instruments, or for traditional quantitation where the ratio of the response of two or more transitions is used for compound confirmation. The latter MRM approach can be performed on either an API triple quadrupole or a QTRAP[®] series instrument. Users simply need to select the compounds of interest as well as the number of transitions to be monitored from the MRM catalogue. Once selected, the Cliquid[®] Software automatically creates the acquisition and processing methods.

The following is a list of the 544 pesticides currently in the library. Please note that this library is continuously being expanded to include additional compounds.

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|--|--------------|----------------|---------------|--------------|
| 2,4-D | C8H6Cl2O3 | 219.9694 | 94-75-7 | 4 |
| 2,4-DB | C10H10Cl2O3 | 248.0007 | 94-82-6 | 4 |
| 2-Naphthoxyacetic acid | C12H10O3 | 202.063 | 120-23-0 | 4 |
| 3,4,5-Trimethacarb | C11H15NO2 | 193.1103 | 2686-99-9 | 4 |
| 3-Hydroxycarbofuran | C12H15NO4 | 237.1001 | 16655-82-6 | 4 |
| 4-CPA | C8H7ClO3 | 186.0084 | 122-88-3 | 4 |
| 5-Hydroxy-clethodim-sulfone | C17H26ClNO6S | 407.1169 | not available | 4 |
| 5-Hydroxy-imidacloprid | C9H10ClN5O3 | 271.0472 | not available | 4 |
| 5-Hydroxy-thiabendazol | C10H7N3OS | 217.031 | 948-71-0 | 4 |
| 6-Chlor-3-phenyl-pyridazin-4-ol (Pyridate-Metabolit) | C10H7ClN2O | 206.0247 | 40020-01-7 | 4 |
| Acephate | C4H10NO3PS | 183 | 30560-19-1 | 1 |
| Acequinocyl | C24H32O4 | 384.2301 | 57960-19-7 | 4 |
| Acetamiprid | C10H11ClN4 | 222.0672 | 135410-20-7 | 4 |
| Acetochlor | C14H20ClNO2 | 269.1183 | 34256-82-1 | 4 |
| Acibenzolar-S-methyl | C8H6N2OS2 | 209.9922 | 135158-54-2 | 4 |
| Acifluorfen | C14H7ClF3NO5 | 360.9965 | 50594-66-6 | 4 |
| Acronifen | C12H9ClN2O3 | 264.0302 | 74070-46-5 | 4 |
| Acrinathrin | C26H21F6NO5 | 541.1324 | 101007-06-1 | 4 |
| Alachlor | C14H20ClNO2 | 269.1183 | 15972-60-8 | 4 |
| Aldicarb-sulfoxid | C7H14N2O3S | 206.0725 | 1646-87-3 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|------------------------------------|-----------------|----------------|-------------|--------------|
| Aldoxycarb | C7H14N2O4S | 222.0674 | 1646-88-4 | 4 |
| Alloxydim | C17H25NO5 | 323.1733 | 55634-91-8 | 4 |
| Ametryn | C9H17N5S | 227.1205 | 834-12-8 | 4 |
| Amidosulfuron | C9H15N5O7S2 | 369.0413 | 120923-37-7 | 4 |
| Aminocarb | C11H16N2O2 | 208.1212 | 2032-59-9 | 4 |
| Aminopyralid | C6H4Cl2N2O2 | 205.965 | 150114-71-9 | 4 |
| Amitraz | C19H23N3 | 293.1892 | 33089-61-1 | 4 |
| Amitrol | C2H4N4 | 84.0436 | 61-82-5 | 4 |
| AMPA (Aminomethyl phosphonic acid) | CH6O3PN | 111.0085 | 1066-51-9 | 4 |
| Anilazine | C9H5Cl3N4 | 273.958 | 101-05-3 | 4 |
| Anilofos | C13H19ClNO3PS2 | 367.0232 | 64249-01-0 | 4 |
| Aramite | C15H23ClO4S | 334.1006 | 140-57-8 | 4 |
| Atrazin | C8H14ClN5 | 215.0938 | 1912-24-9 | 4 |
| Atrazine-2-hydroxy | C8H15N5O | 197.1277 | 2163-68-0 | 4 |
| Atrazine-desethyl | C6H10N5Cl | 187.0625 | 6190-65-4 | 4 |
| Atrazine-desethyl-2-hydroxy | C6H11ON5 | 169.0964 | 6190-65-4 | 4 |
| Atrazine-desisopropyl | C5H8N5Cl | 173.0468 | 1007-28-9 | 4 |
| Avermectin B1a | C48H72O14 | 872.4922 | 65195-55-3 | 4 |
| Azaconazole | C12H11Cl2N3O2 | 299.0228 | 60207-31-0 | 4 |
| Azamethiophos | C9H10ClN2O5PS | 323.9737 | 35575-96-3 | 4 |
| Azimsulfuron | C13H16N10O5S | 424.1026 | 120162-55-2 | 4 |
| Azinphos-ethyl | C12H16N3O3PS2 | 345.0371 | 2642-71-9 | 4 |
| Azinphos-methyl | C10H12N3O3PS2 | 317.0058 | 86-50-0 | 4 |
| Azoxystrobin | C22H17N3O5 | 403.1168 | 131860-33-8 | 4 |
| Beflubutamid | C18H17F4NO2 | 355.1195 | 113614-08-7 | 4 |
| Benalaxyl | C20H23NO3 | 325.1678 | 71626-11-4 | 4 |
| Benazolin | C9H6ClNO3S | 242.9757 | 5/6/3813 | 4 |
| Bendiocarb | C11H13NO4 | 223.0845 | 22781-23-3 | 4 |
| Benfuracarb | C20H30N2O5S | 410.1875 | 82560-54-1 | 4 |
| Benfuresate | C12H16O4S | 256.0769 | 68505-69-1 | 4 |
| Benomyl | C14H18N4O3 | 290.1379 | 17804-35-2 | 4 |
| Benoxacor | C11H11Cl2NO2 | 259.0167 | 98730-04-2 | 4 |
| Bensulfuron-methyl | C16H18N4O7S | 410.0896 | 83055-99-6 | 4 |
| Bensulide | C14H24NO4PS3 | 397.0605 | 741-58-2 | 4 |
| Bensultap | C17H21NO4S4 | 431.0353 | 17606-31-4 | 4 |
| Bentazone | C10H12N2O3S | 240.0569 | 25057-89-0 | 4 |
| Benzoximate | C18H18ClNO5 | 363.0874 | 29104-30-1 | 4 |
| Bifenazate | C17H20N2O3 | 300.1474 | 149877-41-8 | 4 |
| Bifenox | C14H9Cl2NO5 | 340.9858 | 42576-02-3 | 4 |
| Bifenthrin | C23H22ClF3O2 | 422.126 | 82657-04-3 | 4 |
| Bioresmethrin | C22H26O3 | 338.1882 | 28434-01-7 | 4 |
| Bitertanol | C20H23N3O2 | 337.179 | 55179-31-2 | 4 |
| Boscalid | C18H12Cl2N2O | 342.0327 | 188425-85-6 | 4 |
| Brodifacoum | C31H23BrO3 | 522.083 | 56073-10-0 | 4 |
| Bromacil | C9H13BrN2O2 | 260.016 | 314-40-9 | 4 |
| Bromadiolone | C30H23BrO4 | 526.078 | 28772-56-7 | 4 |
| Bromophos | C8H8BrCl2O3PS | 363.8492 | 2104-96-3 | 4 |
| Bromophos-ethyl | C10H12BrCl2O3PS | 391.8805 | 4824-78-6 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|--------------------------|-----------------|----------------|---------------|--------------|
| Bromoxynil | C7H3Br2NO | 274.8581 | 1689-84-5 | 4 |
| Bromuconazole | C13H12BrCl2N3O | 374.9 | 116255-48-2 | 4 |
| Bupirimate | C13H24N4O3S | 316.1569 | 41483-43-6 | 4 |
| Buprofezin | C16H23N3OS | 305.1562 | 69327-76-0 | 4 |
| Butafenacil | C20H18ClF3N2O6 | 474.0805 | 134605-64-4 | 4 |
| Butocarboxim-sulfoxid | C7H14N2O3S | 206.0725 | 34681-24-8 | 4 |
| Butoxycarboxim | C7H14N2O4S | 222.0674 | 34681-23-7 | 4 |
| Butralin | C14H21N3O4 | 295.1532 | 33629-47-9 | 4 |
| Buturon | C12H13ClN2O | 236.0716 | 3766-60-7 | 4 |
| Butylate | C11H23NOS | 217.15 | 2008-41-5 | 4 |
| Cadusafos | C10H23O2PS2 | 270.0877 | 95465-99-9 | 4 |
| Carbaryl | C12H11NO2 | 201.079 | 63-25-2 | 4 |
| Carbendazim | C9H9N3O2 | 191.0695 | 10605-21-7 | 4 |
| Carbetamide | C12H16N2O3 | 236.1161 | 16118-49-3 | 4 |
| Carbofuran | C12H15NO3 | 221.1052 | 1563-66-2 | 4 |
| Carbosulfan | C20H32N2O3S | 380.2134 | 55285-14-8 | 4 |
| Carboxin | C12H13NO2S | 235.0667 | 5234-68-4 | 4 |
| Carfentrazone-ethyl | C15H14Cl2F3N3O3 | 411.0364 | 128639-02-1 | 4 |
| Carpropamid | C15H18Cl3NO | 333.0454 | 104030-54-8 | 4 |
| Cartap | C7H15N3O2S2 | 237.0606 | 15263-52-2 | 4 |
| Chinomethionate | C10H6N2OS2 | 233.9922 | 1/2/2439 | 4 |
| Chlorbromuron | C9H10BrClN2O2 | 291.9614 | 13360-45-7 | 4 |
| Chlorbufam | C11H10ClNO2 | 223.04 | 1967-16-4 | 4 |
| Chlorethoxyfos-oxon | C6H11Cl4O4P | 317.9149 | 54593-83-8 | 4 |
| Chlorfenvinphos | C12H14Cl3O4P | 357.9695 | 470-90-6 | 4 |
| Chlorfluazuron | C20H9Cl3F5N3O3 | 538.963 | 71422-67-8 | 4 |
| Chloridazon | C10H8ClN3O | 221.0356 | 1698-60-8 | 4 |
| Chlorimuron-ethyl | C15H15ClN4O6S | 414.0401 | 90982-32-4 | 4 |
| Chlormephos | C5H12ClO2PS2 | 233.9705 | 24934-91-6 | 4 |
| Chlorophacinone | C23H15ClO3 | 374.071 | 3691-35-8 | 4 |
| Chlorotoluron | C10H13ClN2O | 212.0716 | 15545-48-9 | 4 |
| Chloroxuron | C15H15ClN2O2 | 290.0822 | 1982-47-4 | 4 |
| Chlorpropham | C10H12ClNO2 | 213.0557 | 101-21-3 | 4 |
| Chlorpyrifos | C9H11Cl3NO3PS | 348.9263 | 2921-88-2 | 4 |
| Chlorpyrifos-methyl | C7H7Cl3NO3PS | 320.895 | 5598-13-0 | 4 |
| Chlorsulfuron | C12H12ClN5O4S | 357.0299 | 64902-72-3 | 4 |
| Chlorthiamid | C7H5Cl2NS | 204.952 | 1918-13-4 | 4 |
| Chlorthiophos | C11H15Cl2O3PS2 | 359.9 | 60238-56-4 | 4 |
| Cinerin I | C20H28O3 | 316.2038 | 25402-06-6 | 4 |
| Cinerin II | C21H28O5 | 360.1937 | 121-20-0 | 4 |
| Cinidon-ethyl | C19H17Cl2NO4 | 393.0535 | 142891-20-1 | 4 |
| Cinosulfuron | C15H19N5O7S | 413.1005 | 94593-91-6 | 4 |
| Clethodim | C17H26ClNO3S | 359.1322 | 99129-21-2 | 4 |
| Clethodim-imin-sulfone | C14H23NO4S | 301.1348 | not available | 4 |
| Clethodim-imin-sulfoxide | C14H23NO3S | 285.1399 | not available | 4 |
| Clethodim-sulfone | C17H26ClNO5S | 391.122 | not available | 4 |
| Clethodim-sulfoxide | C17H26ClNO4S | 375.1271 | not available | 4 |
| Clodinafop-propargyl | C17H13ClFNO4 | 349.0517 | 105512-06-9 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|--------------------------------|-----------------|----------------|--------------|--------------|
| Clofentezine | C14H8Cl2N4 | 302.0126 | 74115-24-5 | 4 |
| Clomazone | C12H14ClNO2 | 239.0713 | 81777-89-1 | 4 |
| Clomeprop | C16H15Cl2NO2 | 323.048 | 84496-56-0 | 4 |
| Clopyralid | C6H3Cl2NO2 | 190.9541 | 1702-17-6 | 4 |
| Cloquintocet-mexyl | C18H22ClNO3 | 335.1288 | 99607-70-2 | 4 |
| Clothianidin | C6H8ClN5O2S | 249.0087 | 210880-92-5 | 4 |
| Coumaphos | C14H16ClO5PS | 362.0145 | 56-72-4 | 4 |
| Coumatetralyl | C19H16O3 | 292.1099 | 5836-29-3 | 4 |
| Crotoxypfos | C14H19O6P | 314.0919 | 7700-17-6 | 4 |
| Cyanazine | C9H13ClN6 | 240.089 | 21725-46-2 | 4 |
| Cyanofenphos | C15H14NO2PS | 303.0483 | 13067-93-1 | 4 |
| Cyanophos | C9H10NO3PS | 243.0119 | 2636-26-2 | 4 |
| Cyazofamid | C13H13ClN4O2S | 324.0448 | 120116-88-3 | 4 |
| Cyclanilide | C11H9Cl2NO3 | 272.9959 | 113136--77-9 | 4 |
| Cycloate | C11H21NOS | 215.1344 | 1134-23-2 | 4 |
| Cycloxydim | C17H27NO3S | 325.1712 | 101205-02-1 | 4 |
| Cyfluthrin | C22H18Cl2FNO3 | 433.0648 | 68359-37-5 | 4 |
| Cyhalofop-butyl | C20H20FNO4 | 357.1376 | 122008-85-9 | 4 |
| Cymoxanil | C7H10N4O3 | 198.0753 | 57966-95-7 | 4 |
| Cypermethrin | C22H19Cl2NO3 | 415.0742 | 52315-07-8 | 4 |
| Cyphenothrin | C24H25NO3 | 375.1834 | 39515-40-7 | 4 |
| Cyproconazole | C15H18ClN3O | 291.1138 | 113096-99-4 | 4 |
| Cyprodinil | C14H15N3 | 225.1266 | 121552-61-2 | 4 |
| Cyromazine | C6H10N6 | 166.0967 | 66215-27-8 | 4 |
| Daminozide | C6H12N2O3 | 160.0848 | 1596-84-5 | 4 |
| Deltamethrin | C22H19Br2NO3 | 502.9732 | 52918-63-5 | 4 |
| Demeton-S-methyl | C6H15O3PS2 | 230.02 | 919-86-8 | 4 |
| Demeton-S-methyl-sulfon | C6H15O5PS2 | 262.0098 | 17040-19-6 | 4 |
| Desmedipham | C16H16N2O4 | 300.111 | 13684-56-5 | 4 |
| Desmethyl-formamido-pirimicarb | C11H16N4O3 | 252.1222 | 59333-83-4 | 4 |
| Desmethyl-pirimicarb | C10H16N4O2 | 224.1273 | 30614-22-3 | 4 |
| Desmetryne | C8H15N5S | 213.1048 | 1014-69-3 | 4 |
| Dialifos | C14H17ClNO4PS2 | 393.0025 | 10311-84-9 | 4 |
| Di-allate | C10H17Cl2NOS | 269.0408 | 2303-16-4 | 4 |
| Diazinon | C12H21N2O3PS | 304.101 | 333-41-5 | 4 |
| Dichlofenthion | C10H13Cl2O3PS | 313.97 | 97-17-6 | 4 |
| Dichlofluanid | C9H11Cl2FN2O2S2 | 331.9623 | 1085-98-9 | 4 |
| Dichlorprop-P | C9H8Cl2O3 | 233.985 | 15165-67-0 | 4 |
| Dichlorvos | C4H7Cl2O4P | 219.9459 | 62-73-7 | 4 |
| Diclobutrazol | C15H19Cl2N3O | 327.0905 | 75736-33-3 | 4 |
| Diclofop-methyl | C16H14Cl2O4 | 340.0269 | 51338-27-3 | 4 |
| Dicloran | C6H4Cl2N2O2 | 205.965 | 99-30-9 | 4 |
| Diclosulam | C13H10Cl2FN5O3S | 404.9865 | 145701-21-9 | 4 |
| Dicrotophos | C8H16NO5P | 237.0766 | 3735-78-3 | 4 |
| Dicyclanil | C8H10N6 | 190.0967 | 112636-83-6 | 4 |
| Diethofencarb | C14H21NO4 | 267.1471 | 87130-20-9 | 4 |
| Difenacoum | C31H24O3 | 444.1725 | 56073-07-5 | 4 |
| Difenoconazole | C19H17Cl2N3O3 | 405 | 119446-68-3 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|------------------------|---------------|----------------|-------------|--------------|
| Difenoxyuron | C16H18N2O3 | 286.1317 | 14214-32-5 | 4 |
| Difenzoquat | C17H17N2 | 249.1392 | 49866-87-7 | 4 |
| Diflubenzuron | C14H9ClF2N2O2 | 310.0321 | 35367-38-5 | 4 |
| Diflufenican | C19H11F5N2O2 | 394.0741 | 83164-33-4 | 4 |
| Diflufenzopyr | C15H12F2N4O3 | 334.0877 | 109293-97-2 | 4 |
| Dimefuron | C15H19ClN4O3 | 338.1146 | 34205-21-5 | 4 |
| Dimepiperate | C15H21NOS | 263.1344 | 61432-55-1 | 4 |
| Dimethachlor | C13H18ClNO2 | 255.1026 | 50563-36-5 | 4 |
| Dimethametryn | C11H21N5S | 255.1518 | 22936-75-0 | 4 |
| Dimethenamide | C12H18ClNO2S | 275.0747 | 87674-68-8 | 4 |
| Dimethoate | C5H12NO3PS2 | 228.9996 | 60-51-5 | 4 |
| Dimethomorph | C21H22ClNO4 | 387.1237 | 110488-70-5 | 4 |
| Dimetilan | C10H16N4O3 | 240.1222 | 644-64-4 | 4 |
| Dimoxystrobin | C19H22N2O3 | 326.163 | 149961-52-4 | 4 |
| Diniconazole | C15H17Cl2N3O | 325.0749 | 83657-24-3 | 4 |
| Dinoseb | C10H12N2O5 | 240.0746 | 88-85-7 | 4 |
| Dinoterb | C10H12N2O5 | 240.0746 | 1420-07-1 | 4 |
| Dioxathion | C12H26O6P2S4 | 456.0087 | 78-34-2 | 4 |
| Diphacinone | C23H16O3 | 340.1099 | 82-66-6 | 4 |
| Diphenamid | C16H17NO | 239.131 | 957-51-7 | 4 |
| Diphenylamine | C12H11N | 169.0891 | 122-39-4 | 4 |
| Diquat | C12H12N2 | 184.1 | 2764-72-9 | 4 |
| Dithianon | C14H4N2O2S2 | 295.9714 | 3347-22-6 | 4 |
| Dithiopyr | C15H16F5NO2S2 | 401.0543 | 97886-45-8 | 4 |
| Diuron | C9H10Cl2N2O | 232.017 | 330-54-1 | 4 |
| DNOC | C7H6N2O5 | 198.0277 | 534-52-1 | 4 |
| Dodemorph | C18H35NO | 281.2719 | 1593-77-7 | 4 |
| Dodine | C15H33N3O2 | 287.2573 | 10/3/2439 | 4 |
| Edifenphos | C14H15O2PS2 | 310.0251 | 17109-49-8 | 4 |
| Endosulfansulfate | C9H6Cl6O4S | 419.8118 | 1031-07-8 | 4 |
| EPN | C14H14NO4PS | 323.0381 | 2104-64-5 | 4 |
| Epoxiconazole | C17H13ClFN3O | 329.0731 | 106325-08-0 | 4 |
| EPTC | C9H19NOS | 189.1187 | 759-94-4 | 4 |
| Esfenvalerate | C25H22ClNO3 | 419.1288 | 66230-04-4 | 4 |
| Ethametsulfuron-methyl | C15H18N6O6S | 410.1009 | 97780-06-8 | 4 |
| Ethidimuron | C7H12N4O3S2 | 264.0351 | 30043-49-3 | 4 |
| Ethiofencarb | C11H15NO2S | 225.0823 | 29973-13-5 | 4 |
| Ethiofencarb-sulfon | C11H15NO4S | 257.0722 | 53380-23-7 | 4 |
| Ethiofencarb-sulfoxid | C11H15NO3S | 241.0773 | 53380-22-6 | 4 |
| Ethion | C9H22O4P2S4 | 383.9876 | 563-12-2 | 4 |
| Ethirimol | C11H19N3O | 209.1528 | 23947-60-6 | 4 |
| Ethofumesate | C13H18O5S | 286.0875 | 26225-79-6 | 4 |
| Ethoprophos | C8H19O2PS2 | 242.0564 | 13194-48-4 | 4 |
| Ethoxyquin | C14H19NO | 217.1467 | 91-53-2 | 4 |
| Ethoxysulfuron | C15H18N4O7S | 398.0896 | 126801-58-9 | 4 |
| Ethylenthiourea | C3H6N2S | 102.0252 | 96-45-7 | 4 |
| Etofenprox | C25H28O3 | 376.2038 | 80844-07-1 | 4 |
| Etoxazole | C2H23F2NO2 | 359.1697 | 153233-91-1 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|-----------------------|-----------------|----------------|-------------|--------------|
| Etrifmos | C10H17N2O4PS | 292.0647 | 38260-54-7 | 4 |
| Famoxadone | C22H18N2O4 | 374.1267 | 131807-57-3 | 4 |
| Famphur | C10H16NO5PS2 | 325.0207 | 52-85-7 | 4 |
| Fenamidone | C17H17N3OS | 311.1092 | 161326-34-7 | 4 |
| Fenamiphos | C13H22NO3PS | 303.1058 | 22224-92-6 | 4 |
| Fenarimol | C17H12Cl2N2O | 330.0327 | 60168-88-9 | 4 |
| Fenazaquin | C20H22N2O | 306.1732 | 120928-09-8 | 4 |
| Fenbuconazole | C19H17CIN4 | 336.1142 | 114369-43-6 | 4 |
| Fenfuram | C12H11NO2 | 201.079 | 24691-80-3 | 4 |
| Fenhexamid | C14H17Cl2NO2 | 301.0636 | 126833-17-8 | 4 |
| Fenitrothion | C9H12NO5PS | 277.0174 | 122-14-5 | 4 |
| Fenobucarb | C12H17NO2 | 207.1259 | 3766-81-2 | 4 |
| Fenoprop | C9H7Cl3O3 | 267.9461 | 93-72-1 | 4 |
| Fenothiocarb | C13H19NO2S | 253.1136 | 62850-32-2 | 4 |
| Fenoxaprop-ethyl | C18H16ClNO5 | 361.0717 | 71283-80-2 | 4 |
| Fenoxycarb | C17H19NO4 | 301.1314 | 79127-80-3 | 4 |
| Fenpiclonil | C11H6Cl2N2 | 235.9908 | 74738-17-3 | 4 |
| Fenpropathrin | C22H23NO3 | 349.1678 | 39515-41-8 | 4 |
| Fenpropidin | C19H31N | 273.2456 | 67306-00-7 | 4 |
| Fenpropimorph | C20H33NO | 303.2562 | 67306-03-0 | 4 |
| Fenpyroximate | C24H27N3O4 | 421.2002 | 111812-58-9 | 4 |
| Fenthion | C10H15O3PS2 | 278.02 | 55-38-9 | 4 |
| Fentin | C18H15Sn | 351.0196 | 668-34-8 | 4 |
| Fenuron | C9H12N2O | 164.095 | 101-42-8 | 4 |
| Fenvalerate | C25H22ClNO3 | 419.1288 | 51630-58-1 | 4 |
| Fipronil | C12H4Cl2F6N4OS | 435.9387 | 120068-37-3 | 4 |
| Fipronil-desulfinyl | C12H4Cl2F6N4 | 387.9717 | 205650-65-3 | 4 |
| Fipronil-sulfide | C12H4Cl2F6N4S | 419.9438 | 120067-83-6 | 4 |
| Fipronil-sulfone | C12H4Cl2F6N4O2S | 451.9336 | 120068-36-2 | 4 |
| Flamprop-M-isopropyl | C19H19ClFNO3 | 363.1037 | 63782-90-1 | 4 |
| Flamprop-M-methyl | C17H15ClFNO3 | 335.0724 | 63729-98-6 | 4 |
| Flazasulfuron | C13H12F3N5O5S | 407.0511 | 104040-78-0 | 4 |
| Florasulam | C12H8F3N5O3S | 359.03 | 145701-23-1 | 4 |
| Fluazifop (free acid) | C15H12F3NO4 | 327.0718 | 83066-88-0 | 4 |
| Fluazifop-butyl | C19H20F3NO4 | 383.1344 | 69806-50-4 | 4 |
| Fluazinam | C13H4Cl2F6N4O4 | 463.9514 | 79622-59-6 | 4 |
| Flucycloxuron | C25H20ClF2N3O3 | 483.1161 | 113036-88-7 | 4 |
| Flucythrinate | C26H23F2NO4 | 451.1595 | 70124-77-5 | 4 |
| Fludioxonil | C12H6F2N2O2 | 248.0397 | 131341-86-1 | 4 |
| Flufenacet | C14H13F4N3O2S | 363.0665 | 142459-58-3 | 4 |
| Flufenoxuron | C21H11ClF6N2O3 | 488.0362 | 101463-69-8 | 4 |
| Flumetsulam | C12H9F2N5O2S | 325.0445 | 98967-40-9 | 4 |
| Flumioxazin | C19H15FN2O4 | 354.1016 | 103361-09-7 | 4 |
| Fluometuron | C10H11F3N2O | 232.0823 | 2164-17-2 | 4 |
| Fluoroglycofene-ethyl | C18H13ClF3NO7 | 447.0333 | 77501-90-7 | 4 |
| Fluoxastrobin | C21H16ClFN4O5 | 458.0793 | 361377-29-9 | 4 |
| Flupyrsulfuron-methyl | C15H14F3N5O7S | 465.0566 | 144740-54-5 | 4 |
| Fluquinconazole | C16H8Cl2FN5O | 375.009 | 136426-54-5 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|----------------------------|-----------------|----------------|---------------|--------------|
| Flurenol | C14H10O3 | 226.063 | 467-69-6 | 4 |
| Fluridone | C19H14F3NO | 329.1027 | 59756-60-4 | 4 |
| Flurochloridone | C12H10Cl2F3NO | 311.0092 | 61213-25-0 | 4 |
| Fluroxypyr | C7H5Cl2FN2O3 | 253.9661 | 69377-81-7 | 4 |
| Fluroxypyr-meptyl | C15H21Cl2FN2O3 | 366.0913 | 81406-37-3 | 4 |
| Flurprimidole | C15H15F3N2O2 | 312.1086 | 56425-91-3 | 4 |
| Flurtamone | C18H14F3NO2 | 333.0977 | 96525-23-4 | 4 |
| Flusilazole | C16H15F2N3Si | 315.1003 | 85509-19-9 | 4 |
| Flusulfamide | C13H7Cl2F3N2O4S | 413.9456 | 106917-52-6 | 4 |
| Fluthiacet-methyl | C15H15ClFN3O3S2 | 403.0227 | 117337-19-6 | 4 |
| Flutolanil | C17H16F3NO2 | 323.1133 | 66332-96-5 | 4 |
| Flutriafol | C16H13F2N3O | 301.1027 | 76674-21-0 | 4 |
| Fluxofenim | C12H11ClF3NO3 | 309.038 | 88485-37-4 | 4 |
| Fomesafen | C15H10ClF3N2O6S | 437.99 | 72178-02-0 | 4 |
| Fonofos | C10H15OPS2 | 246.0302 | 944-22-9 | 4 |
| Foramsulfuron | C17H20N6O7S | 452.1114 | 173159-57-4 | 4 |
| Formetanate | C11H15N3O2 | 221.1164 | 22259-30-9 | 4 |
| Fosthiazate | C9H18NO3PS2 | 283.0466 | 98886-44-3 | 4 |
| Fuberidazole | C11H8N2O | 184.0637 | 3878-19-1 | 4 |
| Furalaxyl | C17H19NO4 | 301.1314 | 57646-30-7 | 4 |
| Furathiocarb | C18H26N2O5S | 382.1562 | 65907-30-4 | 4 |
| Glufosinate | C5H12NO4P | 181.0504 | 77182-82-2 | 4 |
| Halfenprox | C24H23BrF2O3 | 476.0799 | 111872-58-3 | 4 |
| Halofenozide | C18H19ClN2O2 | 330.1135 | 112226-61-6 | 4 |
| Halosulfuron-methyl | C13H15ClN6O7S | 434.0411 | 100784-20-1 | 4 |
| Haloxypop-etotyl | C19H19ClF3NO5 | 433.0904 | 87237-48-7 | 4 |
| Haloxypop-P | C15H11ClF3NO4 | 361.0329 | 95977-29-0 | 4 |
| Haloxypop-P-methyl | C16H13ClF3NO4 | 375.0485 | 72619-32-0 | 4 |
| Heptenophos | C9H12ClO4P | 250.0162 | 23560-59-0 | 4 |
| Hexaconazole | C14H17Cl2N3O | 313.0749 | 79983-71-4 | 4 |
| Hexaflumuron | C16H8Cl2F6N2O3 | 459.9816 | 86479-06-3 | 4 |
| Hexazinone | C12H20N4O2 | 252.1586 | 51235-04-2 | 4 |
| Hexythiazox | C17H21ClN2O2S | 352.1012 | 78587-05-0 | 4 |
| Hydramethylnon | C25H24F6N4 | 494.1905 | 67485-29-4 | 4 |
| Imazalil | C14H14Cl2N2O | 296.0483 | 35554-44-0 | 4 |
| Imazamethabenz-methyl | C16H20N2O3 | 288.1474 | 81405-85-8 | 4 |
| Imazapic | C14H17N3O3 | 275.127 | 104098-48-8 | 4 |
| Imazapyr | C13H15N3O3 | 261.1113 | 81334-34-1 | 4 |
| Imazaquin | C17H17N3O3 | 311.127 | 81335-37-7 | 4 |
| Imazosulfuron | C14H13ClN6O5S | 412.0357 | 122548-33-8 | 4 |
| Imibenconazole | C17H13Cl3N4S | 409.9926 | 86598-92-7 | 4 |
| Imidacloprid | C9H10ClN5O2 | 255.0523 | 138261-41-3 | 4 |
| Imidacloprid-Olefin | C9H8ClN5O2 | 253.0367 | not available | 4 |
| Indoxacarb | C22H17ClF3N3O7 | 527.0707 | 173584-44-6 | 4 |
| Iodosulfuron-methyl-sodium | C14H13IN5NaO6S | 506.971 | 185119-76-0 | 4 |
| loxynil | C7H3I2NO | 370.8304 | 1689-83-4 | 4 |
| lprobenfos | C13H21O3PS | 288.0949 | 26087-47-8 | 4 |
| lprodione | C13H13Cl2N3O3 | 329.0334 | 36734-19-7 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|------------------------|----------------|----------------|-------------|--------------|
| Iprovalicarb | C18H28N2O3 | 320.21 | 140923-17-7 | 4 |
| Isazofos | C9H17ClN3O3PS | 313.0417 | 42509-80-8 | 4 |
| Isofenphos | C15H24NO4PS | 345.1164 | 25311-71-1 | 4 |
| Isofenphos-oxon | C15H24NO5P | 329.1392 | 31120-85-1 | 4 |
| Isoproc carb | C11H15NO2 | 193.1103 | 2631-40-5 | 4 |
| Isoprothiolane | C12H18O4S2 | 290.0646 | 50512-35-1 | 4 |
| Isoproturon | C12H18N2O | 206.1419 | 34123-59-6 | 4 |
| Isoxaben | C18H24N2O4 | 332.1736 | 82558-50-7 | 4 |
| Isoxadifen-ethyl | C18H17NO3 | 295.1208 | 163520-33-0 | 4 |
| Isoxaflutole | C15H12F3NO4S | 359.0439 | 141112-29-0 | 4 |
| Isoxathion | C13H16NO4PS | 313.0538 | 18854-01-8 | 4 |
| Jasmolin I | C21H30O3 | 330.2195 | 4466-14-2 | 4 |
| Jasmolin II | C22H30O5 | 374.2093 | 1172-63-0 | 4 |
| Kresoxim-methyl | C18H19NO4 | 313.1314 | 143390-89-0 | 4 |
| lambda-Cyhalothrin | C23H19ClF3NO3 | 449.1006 | 91465-08-6 | 4 |
| Lenacil | C13H18N2O2 | 234.1368 | 8/1/2164 | 4 |
| Linuron | C9H10Cl2N2O2 | 248.0119 | 330-55-2 | 4 |
| Lufenuron | C17H8Cl2F8N2O3 | 509.9784 | 103055-07-8 | 4 |
| Malaoxon | C10H19O7PS | 314.0589 | 1634-78-2 | 4 |
| Malathion | C10H19O6PS2 | 330.0361 | 121-75-5 | 4 |
| Maleic hydrazide | C4H4N2O2 | 112.0273 | 123-33-1 | 4 |
| MCPA | C9H9ClO3 | 200.024 | 94-74-6 | 4 |
| MCPA-2-Ethylhexylester | C17H25ClO3 | 312.1492 | 29450-45-1 | 4 |
| MCPA-butotyl | C14H21ClO4 | 300.1128 | 19480-43-4 | 4 |
| MCPB | C11H13ClO3 | 228.0553 | 94-81-5 | 4 |
| Mecarbam | C10H20NO5PS2 | 329.052 | 2595-54-2 | 4 |
| Mecoprop-P | C10H11ClO3 | 214.0397 | 16484-77-8 | 4 |
| Mefenacet | C16H14N2O2S | 298.0776 | 73250-68-7 | 4 |
| Mefenpyr-diethyl | C16H18Cl2N2O4 | 372.0644 | 135590-91-9 | 4 |
| Mepanipyrim | C14H13N3 | 223.1109 | 110235-47-7 | 4 |
| Mepiquat | C7H16N | 114.1283 | 24307-26-4 | 4 |
| Mepronil | C17H19NO2 | 269.1416 | 55814-41-0 | 4 |
| Mesosulfuron-methyl | C17H21N5O9S2 | 503.0781 | 208465-21-8 | 4 |
| Mesotrione | C14H13NO7S | 339.0413 | 104206-82-8 | 4 |
| Metalaxyl | C15H21NO4 | 279.1471 | 70630-17-0 | 4 |
| Metamitron | C10H10N4O | 202.0855 | 41394-05-2 | 4 |
| Metazachlor | C14H16ClN3O | 277.0982 | 67129-08-2 | 4 |
| Metconazole | C17H22ClN3O | 319.1451 | 125116-23-6 | 4 |
| Methabenzthiazuron | C10H11N3OS | 221.0623 | 18691-97-9 | 4 |
| Methacrifos | C7H13O5PS | 240.0221 | 30864-28-9 | 4 |
| Methamidophos | C2H8NO2PS | 141.0013 | 10265-92-6 | 4 |
| Methfuroxam | C14H15NO2 | 229.1103 | 28730-17-8 | 4 |
| Methidathion | C6H11N2O4PS3 | 301.9619 | 950-37-8 | 4 |
| Methiocarb | C11H15NO2S | 225.0823 | 2032-65-7 | 4 |
| Methiocarb-sulfoxid | C11H15NO3S | 241.0773 | 10/1/2635 | 4 |
| Methomyl | C5H10N2O2S | 162.0463 | 16752-77-5 | 4 |
| Methomyl-oxime | C3H7NOS | 105.0248 | 13749-94-5 | 4 |
| Methoxyfenozide | C22H28N2O3 | 368.21 | 161050-58-4 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|--|----------------|----------------|-------------|--------------|
| Metobromuron | C9H11BrN2O2 | 258.0004 | 3060-89-7 | 4 |
| Metolachlor | C15H22ClNO2 | 283.1339 | 51218-45-2 | 4 |
| Metolcarb | C9H11NO2 | 165.079 | 1129-41-5 | 4 |
| Metosulam | C14H13Cl2N5O4S | 417.0065 | 139528-85-1 | 4 |
| Metoxuron | C10H13ClN2O2 | 228.0666 | 19937-59-8 | 4 |
| Metrafenone | C19H21BrO5 | 408.0572 | 220899-03-6 | 4 |
| Metribuzin | C8H14N4OS | 214.0888 | 21087-64-9 | 4 |
| Metsulfuron-methyl | C14H15N5O6S | 381.0743 | 74223-64-6 | 4 |
| Mevinphos | C7H13O6P | 224.045 | 7786-34-7 | 4 |
| Molinate | C9H17NOS | 187.1031 | 2212-67-1 | 4 |
| Monocrotophos | C7H14NO5P | 223.061 | 6923-22-4 | 4 |
| Monolinuron | C9H11ClN2O2 | 214.0509 | 1746-81-2 | 4 |
| Monuron | C9H11ClN2O | 198.056 | 150-68-5 | 4 |
| Myclobutanil | C15H17ClN4 | 288.1142 | 88671-89-0 | 4 |
| Naled | C4H7Br2Cl2O4P | 377.7826 | 300-76-5 | 4 |
| Napropamide | C17H21NO2 | 271.1572 | 15299-99-7 | 4 |
| Neburon | C12H16Cl2N2O | 274.064 | 555-37-3 | 4 |
| Nicarbazin (1,3- N,N'-bis (4-nitrophenyl)urea) | C13H10N4O5 | 302.0651 | 330-95-0 | 4 |
| Nicosulfuron | C15H18N6O6S | 410.1009 | 111991-09-4 | 4 |
| Nicotine | C10H14N2 | 162.1157 | 54-11-5 | 4 |
| Nitenpyram | C11H15ClN4O2 | 270.0884 | 120738-89-8 | 4 |
| Norflurazon | C12H9ClF3N3O | 303.0386 | 27314-13-2 | 4 |
| Norflurazon-desmethyl | C11H7ClF3N3O | 289.023 | 23576-24-1 | 4 |
| Novaluron | C17H9ClF8N2O4 | 492.0123 | 116714-46-6 | 4 |
| Nuarimol | C17H12ClF2N2O | 314.0622 | 63284-71-9 | 4 |
| Ofurace | C14H16ClNO3 | 281.0819 | 58810-48-3 | 4 |
| Omethoate | C5H12NO4PS | 213.0225 | 1113-02-6 | 4 |
| Orbencarb | C12H16ClNOS | 257.0641 | 34622-58-7 | 4 |
| Oxadiargyl | C15H14Cl2N2O3 | 340.0381 | 39807-15-3 | 4 |
| Oxadiazon | C15H18Cl2N2O3 | 344.0694 | 19666-30-9 | 4 |
| Oxadixyl | C14H18N2O4 | 278.1267 | 77732-09-3 | 4 |
| Oxamyl | C7H13N3O3S | 219.0678 | 23135-22-0 | 4 |
| Oxamyl-oxime | C5H10N2O2S | 162.0463 | 30558-43-1 | 4 |
| Oxasulfuron | C17H18N4O6S | 406.0947 | 144651-06-9 | 4 |
| Oxycarboxin | C12H13NO4S | 267.0565 | 5259-88-1 | 4 |
| Oxydemeton-methyl | C6H15O4PS2 | 246.0149 | 301-12-2 | 4 |
| Oxyfluorfen | C15H11ClF3NO4 | 361.0329 | 42874-03-3 | 4 |
| Paclobutrazol | C15H20ClN3O | 293.1295 | 76738-62-0 | 4 |
| Paraoxon | C10H14NO6P | 275.0559 | 311-45-5 | 4 |
| Paraoxon-methyl | C8H10NO6P | 247.0246 | 950-35-6 | 4 |
| Parathion | C10H14NO5PS | 291.033 | 56-38-2 | 4 |
| Parathion-methyl | C8H10NO5PS | 263.0017 | 298-00-0 | 4 |
| Pebulate | C10H21NOS | 203.1344 | 1114-71-2 | 4 |
| Penconazole | C13H15Cl2N3 | 283.0643 | 66246-88-6 | 4 |
| Pencycuron | C19H21ClN2O | 328.1342 | 66063-05-6 | 4 |
| Pendimethalin | C13H19N3O4 | 281.1376 | 40487-42-1 | 4 |
| Permethrin | C21H20Cl2O3 | 390.0789 | 52645-53-1 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|--|-----------------|----------------|---------------|--------------|
| Pethoxamid | C16H22ClNO2 | 295.1339 | 106700-29-2 | 4 |
| Phenmedipham | C16H16N2O4 | 300.111 | 13684-63-4 | 4 |
| Phenthoate | C12H17O4PS2 | 320.0306 | 3/7/2597 | 4 |
| Phorate | C7H17O2PS3 | 260.0128 | 298-02-2 | 4 |
| Phorat-sulfon | C7H17O4PS3 | 292.0027 | 4/7/2588 | 4 |
| Phorat-sulfoxide | C7H17O3PS3 | 276.0077 | 3/6/2588 | 4 |
| Phosalone | C12H15ClNO4PS2 | 366.9869 | 2310-17-0 | 4 |
| Phosmet | C11H12NO4PS2 | 316.9945 | 732-11-6 | 4 |
| Phosphamidon | C10H19ClNO5P | 299.0689 | 13171-21-6 | 4 |
| Phoxim | C12H15N2O3PS | 298.0541 | 14816-18-3 | 4 |
| Picolinafen | C19H12F4N2O2 | 376.0835 | 137641-05-5 | 4 |
| Picoxystrobin | C18H16F3NO4 | 367.1031 | 117428-22-5 | 4 |
| Piperonyl butoxide | C19H30O5 | 338.2093 | 51-03-6 | 4 |
| Piperophos | C14H28NO3PS2 | 353.1248 | 24151-93-7 | 4 |
| Pirimicarb | C11H18N4O2 | 238.143 | 23103-98-2 | 4 |
| Pirimiphos-ethyl | C13H24N3O3PS | 333.1276 | 23505-41-1 | 4 |
| Pirimiphos-methyl | C11H20N3O3PS | 305.0963 | 29232-93-7 | 4 |
| Primisulfuron-methyl | C15H12F4N4O7S | 468.0363 | 86209-51-0 | 4 |
| Prochloraz | C15H16Cl3N3O2 | 375.0308 | 67747-09-5 | 4 |
| Procymidone | C13H11Cl2NO2 | 283.0167 | 32809-16-8 | 4 |
| Profenofos | C11H15BrClO3PS | 371.9351 | 41198-08-7 | 4 |
| Prohexadione | C10H12O5 | 212.0685 | 88805-35-0 | 4 |
| Promecarb | C12H17NO2 | 207.1259 | 2631-37-0 | 4 |
| Prometon | C10H19N5O | 225.159 | 1610-18-0 | 4 |
| Prometryne | C10H19N5S | 241.1361 | 7287-19-6 | 4 |
| Propachlor | C11H14ClNO | 211.0764 | 1918-16-7 | 4 |
| Propamocarb | C9H20N2O2 | 188.1525 | 24579-73-5 | 4 |
| Propanil | C9H9Cl2NO | 217.0061 | 709-98-8 | 4 |
| Propaquizafop | C22H22ClN3O5 | 443.1248 | 111479-05-1 | 4 |
| Propargite | C19H26O4S | 350.1552 | 2312-35-8 | 4 |
| Propazin-2-hydroxy | C9H17N5O | 211.1433 | not available | 4 |
| Propazine | C9H16ClN5 | 229.1094 | 139-40-2 | 4 |
| Propetamphos | C10H20NO4PS | 281.0851 | 31218-83-4 | 4 |
| Propham | C10H13NO2 | 179.0946 | 122-42-9 | 4 |
| Propiconazole | C15H17Cl2N3O2 | 341.0698 | 60207-90-1 | 4 |
| Propoxur | C11H15NO3 | 209.1052 | 114-26-1 | 4 |
| Propoxycarbazone sodium | C15H18N4O7S | 398.0896 | 181274-15-7 | 4 |
| Propyzamide | C12H11Cl2NO | 255.0218 | 23950-58-5 | 4 |
| Prosulfocarb | C14H21NOS | 251.1344 | 52888-80-9 | 4 |
| Prosulfuron | C15H16F3N5O4S | 419.0875 | 94125-34-5 | 4 |
| Prothioconazole | C14H15Cl2N3OS | 343.0313 | 178928-70-6 | 4 |
| Prothioconazole, Desthiometabolit (JAU 6476-desthio) | C14H15Cl2N3O | 311.0592 | not available | 4 |
| Prothiofos | C11H15Cl2O2PS2 | 343.9628 | 34643-46-4 | 4 |
| Pymetrozine | C10H11N5O | 217.0964 | 123312-89-0 | 4 |
| Pyraclufos | C14H18ClN2O3PS | 360.0464 | 89784-60-1 | 4 |
| Pyraclostrobin | C19H18ClN3O4 | 387.0986 | 175013-18-0 | 4 |
| Pyraflufen-ethyl | C15H13Cl2F3N2O4 | 412.0204 | 129630-17-7 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|--------------------------|------------------|----------------|---------------|--------------|
| Pyrazophos | C14H20N3O5PS | 373.0861 | 13457-18-6 | 4 |
| Pyrethrin I | C21H28O3 | 328.2038 | 121-21-1 | 4 |
| Pyrethrin II | C22H28O5 | 372.1937 | 121-29-9 | 4 |
| Pyridaben | C19H25CIN2OS | 364.1376 | 96489-71-3 | 4 |
| Pyridaphenthion | C14H17N2O4PS | 340.0647 | 119-12-0 | 4 |
| Pyridate | C19H23CIN2O2S | 378.1169 | 55512-33-9 | 4 |
| Pyrifenox | C14H12Cl2N2O | 294.0327 | 88283-41-4 | 4 |
| Pyrimethanil | C12H13N3 | 199.1109 | 53112-28-0 | 4 |
| Pyriproxyfen | C20H19NO3 | 321.1365 | 95737-68-1 | 4 |
| Pyroquilon | C11H11NO | 173.0841 | 57369-32-1 | 4 |
| Quinalphos | C12H15N2O3PS | 298.0541 | 13593-03-8 | 4 |
| Quinmerac | C11H8CINO2 | 221.0244 | 90717-03-6 | 4 |
| Quinoclamine | C10H6CINO2 | 207.0087 | 2797-51-5 | 4 |
| Quinoxifen | C15H8Cl2FNO | 306.9967 | 124495-18-7 | 4 |
| Quizalofop-ethyl | C19H17CIN2O4 | 372.0877 | 76578-14-8 | 4 |
| Quizalofop-P (free acid) | C17H13CIN2O4 | 344.0564 | 76578-12-6 | 4 |
| Resmethrin | C22H26O3 | 338.1882 | 10453-86-8 | 4 |
| Rimsulfuron | C14H17N5O7S2 | 431.0569 | 122931-48-0 | 4 |
| Rotenone | C23H22O6 | 394.1416 | 83-79-4 | 4 |
| Sebuthylazine | C9H16CIN5 | 229.1094 | 7286-69-3 | 4 |
| Sebuthylazine-desethyl | C7H12CIN5 | 201.0781 | not available | 4 |
| Sethoxydim | C17H29NO3S | 327.1868 | 74051-80-2 | 4 |
| Siduron | C14H20N2O | 232.1576 | 1982-49-6 | 4 |
| Silthiofam | C13H21NOSSi | 267.1113 | 175217-20-6 | 4 |
| Simazine | C7H12CIN5 | 201.0781 | 122-34-9 | 4 |
| Simazine-2-hydroxy | C7H13N5O | 183.112 | 11/3/2599 | 4 |
| Simetryn | C8H15N5S | 213.1048 | 1014-70-6 | 4 |
| Spinosyn A | C41H65NO10 | 731.4608 | 131929-60-7 | 4 |
| Spinosyn D | C42H67NO10 | 745.4765 | 131929-63-0 | 4 |
| Spiroxamine | C18H35NO2 | 297.2668 | 118134-30-8 | 4 |
| Sulcotrione | C14H13ClO5S | 328.0172 | 99105-77-8 | 4 |
| Sulfentrazone | C11H10Cl2F2N4O3S | 385.9819 | 122836-35-5 | 4 |
| Sulfometuron-methyl | C15H16N4O5S | 364.0841 | 74222-97-2 | 4 |
| Sulfosulfuron | C16H18N6O7S2 | 470.0678 | 141776-32-1 | 4 |
| Sulfotep | C8H20O5P2S2 | 322.0227 | 3689-24-5 | 4 |
| Sulprofos | C12H19O2PS3 | 322.0285 | 35400-43-2 | 4 |
| tau-Fluvalinate | C26H22ClF3N2O3 | 502.1271 | 102851-06-9 | 4 |
| Tebuconazol | C16H22CIN3O | 307.1451 | 107534-96-3 | 4 |
| Tebufenozide | C22H28N2O2 | 352.2151 | 112410-23-8 | 4 |
| Tebufenpyrad | C18H24CIN3O | 333.1608 | 119168-77-3 | 4 |
| Tebupirimfos | C13H23N2O3PS | 318.1167 | 96182-53-5 | 4 |
| Tebutam | C15H23NO | 233.178 | 35256-85-0 | 4 |
| Tebuthiuron | C9H16N4OS | 228.1045 | 34014-18-1 | 4 |
| Teflubenzuron | C14H6Cl2F4N2O2 | 379.9742 | 83121-18-0 | 4 |
| Temephos | C16H20O6P2S3 | 465.9897 | 3383-96-8 | 4 |
| TEPP | C8H20O7P2 | 290.0684 | 107-49-3 | 4 |
| Tepraloxymid | C17H24CINO4 | 341.1394 | 149979-41-9 | 4 |
| Terbumeton | C10H19N5O | 225.159 | 33693-04-8 | 4 |

| Compound | Formula | Formula Weight | CAS Number | # of Spectra |
|-------------------------|------------------|----------------|---------------|--------------|
| Terbutylazine | C9H16ClN5 | 229.1094 | 5915-41-3 | 4 |
| Terbutylazine-2-hydroxy | C9H17N5O | 211.1433 | not available | 4 |
| Terbutylazine-desethyl | C7H12ClN5 | 201.0781 | 30125-63-4 | 4 |
| Terbutryn | C10H19N5S | 241.1361 | 886-50-0 | 4 |
| Tetrachlorvinphos | C10H9Cl4O4P | 363.8993 | 22248-79-9 | 4 |
| Tetraconazole | C13H11Cl2F4N3O | 371.0215 | 112281-77-3 | 4 |
| Tetramethrin | C19H25NO4 | 331.1784 | 7696-12-0 | 4 |
| Thiabendazole | C10H7N3S | 201.0361 | 148-79-8 | 4 |
| Thiacloprid | C10H9ClN4S | 252.0236 | 111988-49-9 | 4 |
| Thiamethoxam | C8H10ClN5O3S | 291.0193 | 153719-23-4 | 4 |
| Thidiazuron | C9H8N4OS | 220.0419 | 51707-55-2 | 4 |
| Thifensulfuron-methyl | C12H13N5O6S2 | 387.0307 | 79277-27-3 | 4 |
| Thiobencarb | C12H16ClNOS | 257.0641 | 28249-77-6 | 4 |
| Thiodicarb | C10H18N4O4S3 | 354.049 | 59669-26-0 | 4 |
| Thiofanox-sulfone | C9H18N2O4S | 250.0987 | 39184-59-3 | 4 |
| Thiofanox-sulfoxide | C9H18N2O3S | 234.1038 | 39184-27-5 | 4 |
| Thiophanate | C14H18N4O4S2 | 370.0769 | 23564-06-9 | 4 |
| Thiophanate-methyl | C12H14N4O4S2 | 342.0456 | 23564-05-8 | 4 |
| Tolclofos-methyl | C9H11Cl2O3PS | 299.9544 | 57018-04-9 | 4 |
| Tolyfluanid | C10H13Cl2FN2O2S2 | 345.978 | 731-27-1 | 4 |
| Tralkoxydim | C20H27NO3 | 329.1991 | 87820-88-0 | 4 |
| Triadimefon | C14H16ClN3O2 | 293.0931 | 43121-43-3 | 4 |
| Triadimenol | C14H18ClN3O2 | 295.1088 | 55219-65-3 | 4 |
| Tri-allate | C10H16Cl3NOS | 303.0018 | 2303-17-5 | 4 |
| Triasulfuron | C14H16ClN5O5S | 401.0561 | 82097-50-5 | 4 |
| Triazamate | C13H22N4O3S | 314.1413 | 112143-82-5 | 4 |
| Triazophos | C12H16N3O3PS | 313.065 | 24017-47-8 | 4 |
| Triazoxide | C10H6ClN5O | 247.0261 | 72459-58-6 | 4 |
| Tribenuron-methyl | C15H17N5O6S | 395.09 | 101200-48-0 | 4 |
| Trichlorfon | C4H8Cl3O4P | 255.9226 | 52-68-6 | 4 |
| Triclopyr | C7H4Cl3NO3 | 254.9257 | 55335-06-3 | 4 |
| Tricyclazole | C9H7N3S | 189.0361 | 41814-78-2 | 4 |
| Tridemorph | C19H39NO | 297.3032 | 24602-86-6 | 4 |
| Trietazine | C9H16ClN5 | 229.1094 | 1912-26-1 | 4 |
| Trifloxystrobin | C20H19F3N2O4 | 408.1297 | 141517-21-7 | 4 |
| Triflumizole | C15H15ClF3N3O | 345.0856 | 68694-11-1 | 4 |
| Triflumuron | C15H10ClF3N2O3 | 358.0332 | 64628-44-0 | 4 |
| Triflusaluron-methyl | C17H19F3N6O6S | 492.1039 | 126535-15-7 | 4 |
| Trinexapac-ethyl | C13H16O5 | 252.0998 | 95266-40-3 | 4 |
| Triticonazole | C17H20ClN3O | 317.1295 | 131983-72-7 | 4 |
| Tritosulfuron | C13H9F6N5O4S | 445.0279 | 142469-14-5 | 4 |
| Uniconazole | C15H18ClN3O | 291.1138 | 83657-22-1 | 4 |
| Vamidothion | C8H18NO4PS2 | 287.0415 | 2275-23-2 | 4 |
| Warfarin | C19H16O4 | 308.1049 | 81-81-2 | 4 |
| Ziram | C6H12N2S4Zn | 303.9175 | 137-30-4 | 4 |

Ordering Information

| Product Name | Part Number |
|---|-------------|
| <i>Pesticide LC/MS/MS Library V.1.0 for Cliquid® Software</i> | 1037032 |

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