



# **IS NIR Spectra**

## **Hazardous, Toxic (1718 spectra)**

The NIR sublibrary "IS NIR Hazardous, Toxic (1718 spectra)" includes selection of hazardous and toxic substances. It also includes spectra of agrochemicals and explosives. Can be used in forensic and environmental laboratories and anywhere where NIR is used as „first responder“.

The near infrared spectral library „IS NIR Spectra“ is a unique collection of NIR (near infrared) digital spectra. The spectra have been collected in range 4200-10000 cm<sup>-1</sup> (=2.4 – 1 micrometers).

„IS NIR Spectra“ is the biggest and newest NIR library available on the market. This spectral library has been designed for users who use their NIR spectrometer not only for quantitative and chemometric analysis, but also want to identify unknown samples or just want to use the library as reference spectra database.

IS means "Integrating Sphere" and at the same time "Identify Sample".

Technical parameters:

The „IS NIR Spectra“ were collected using the FT-NIR Spectrometer equipped with Integrating Sphere Accessory.

Resolution: standard 4cm<sup>-1</sup>

Customized resolution: upon special request the spectra can be delivered in customized resolution to reach better correspondence with spectra collected by customer NIR instrument

Spectral range in wavenumbers units: 4200-10000 cm<sup>-1</sup>

Spectral range in wavelength units: 2.4 – 1 micrometers

Only one spectrum/compound covering the mentioned spectral range

Typical text information about the sample includes (when available):

Compound name including synonyms

CAS number

Chemical formula

Molecular weight

Additional information about the sample like manufacturer and comments.

Download a free NIR library of 30 NIR spectra to check the compatibility of your instrument with the „IS NIR Spectra“.

Samples were selected and NIR spectra collected 2010-2012.

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**IS NIR Spectra – Hazardous, Toxic**

**1718 NIR spectra**

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This library is available as digital searchable library compatible with your spectroscopic software. Visit the „Download“ section of our webpage to select the correct library format. The spectra are available in wavenumbers (cm<sup>-1</sup>) units or wavelength (micrometer) units. Also the library can be delivered with SEARCH software or in \*.pdf format (if you do not have a spectroscopic software).

The near infrared spectral library „IS NIR Spectra“ can be purchased as a complete collection of over 6049 spectra or as following application specific sublibraries.

Ordering Code	Library Name	Number of Spectra
ISNNCM-X	IS NIR Complete Collection	6049
IS NIR Sublibraries*:		
ISNNST-X	IS NIR Starter	1043
ISNNPH-X	IS NIR Pharma, Drugs	1340
ISNNPO-X	IS NIR Polymers, Additives	1740
ISNNHA-X	IS NIR Hazardous, Toxic	1718
ISNNDY-X	IS NIR Dyes, Pigments	1005

\* all sublibraries spectra are included in the complete collection ISNNCM-X and have the same technical parameters

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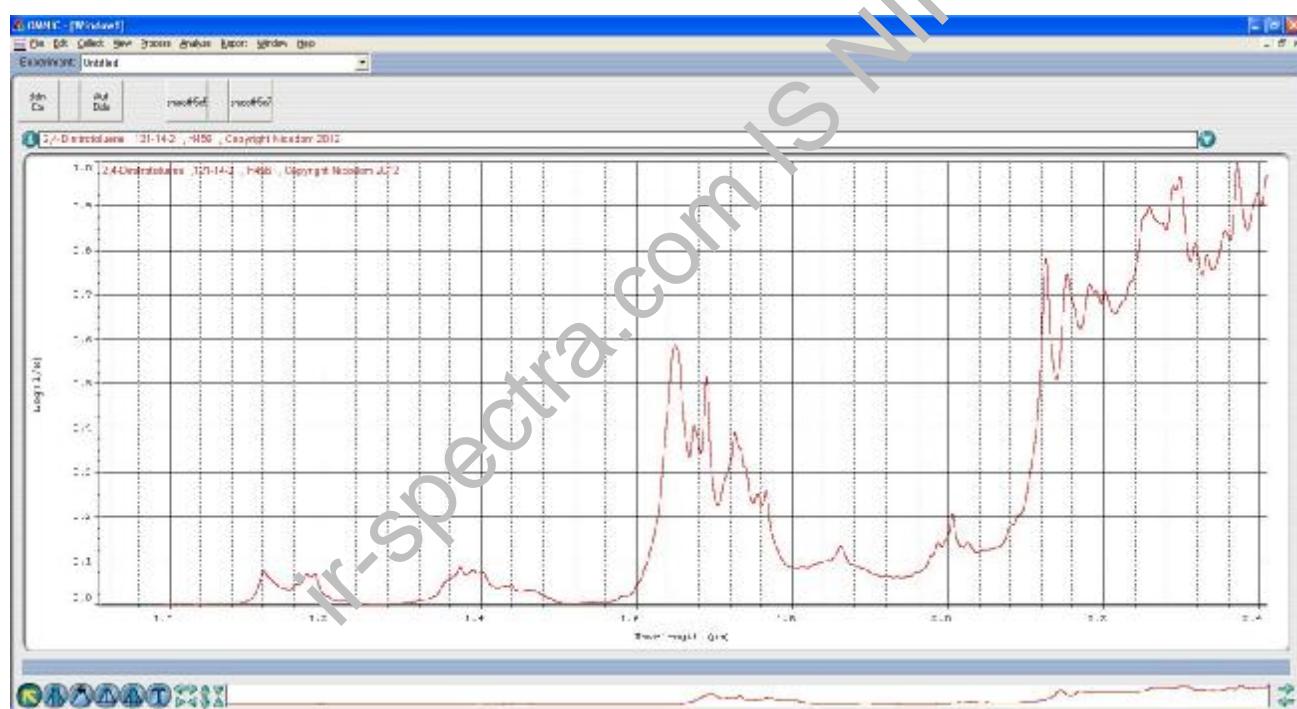
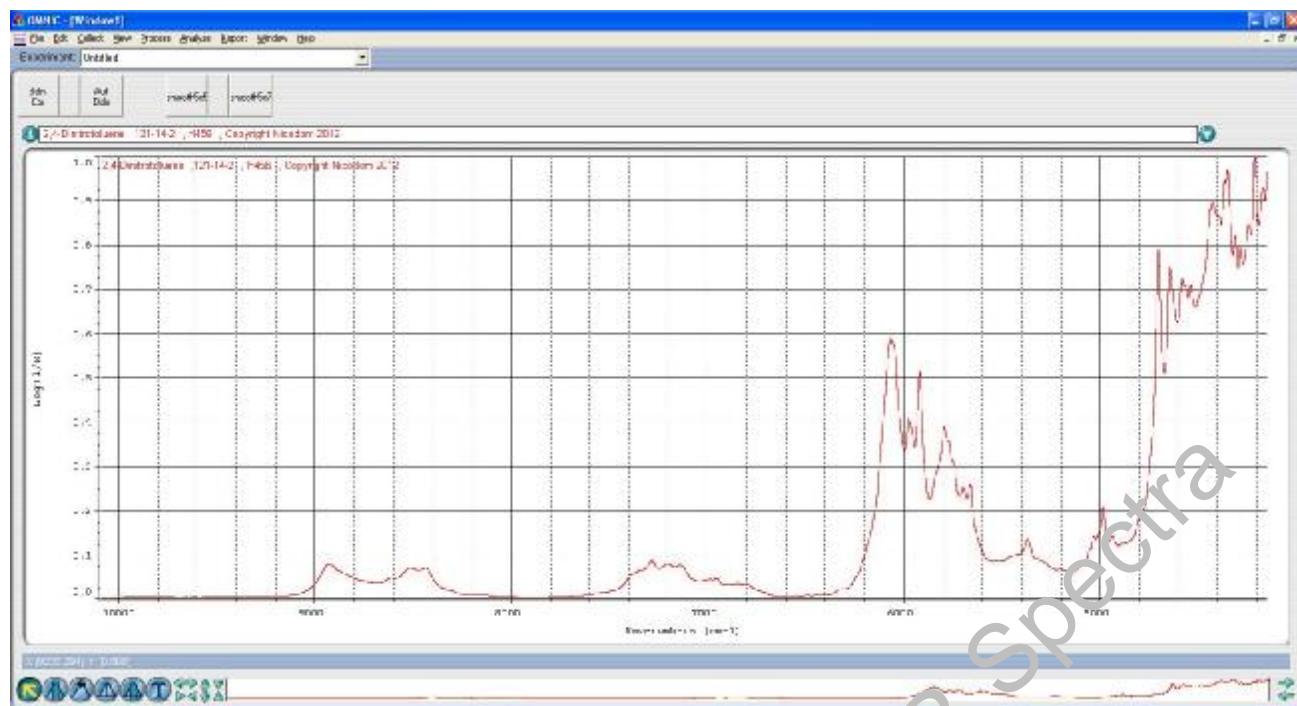
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# Example Spectra

Pictures: NIR spectrum of 2,4-Dinitrotoluene, C<sub>7</sub>H<sub>6</sub>N<sub>2</sub>O<sub>4</sub>, CAS 121-14-2, in cm<sup>-1</sup> units (range 4200-10000 cm<sup>-1</sup>), the second spectrum in micrometers (2.4 – 1 micrometers), both resolution 4cm<sup>-1</sup>, Copyright Nicodom 2012



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## List of Spectra /Compound Names

Aniline  
Anthracene  
Benzene  
Brucine  
Carbonate Thallium  
Dibutylphthalate  
DL-Amphetamine sulfate  
Fluorene  
Lead Acetate  
Nitrate Cadmium  
Lead(II) nitrate  
Nitrate Uranyl(VI)  
Perchlorate Sodium  
Phenol  
Picric acid  
Selenious acid  
Sulfate Beryllium  
Sulfate Thallium  
Sulfate Uranyl  
Thallium(I) acetate  
Tribromophenol  
Ammonium Diuranate  
Ammonium Picrate  
1,2-Dibromoethane  
1,2-Dichlorobenzene  
1,2-Dichloroethane  
1-Bromo-2,4-dinitrobenzene  
1-Bromonaphthalene  
1-Bromopyrene  
1-Chloro-4-nitrobenzene  
1-Chloronaphthalene  
1-Methylnaphthalene  
1-Nitronaphthalene  
1-Nitroso-2-naphthol  
2,4,5-Trichlorophenol  
2,4,6-Trichlorophenol  
2,4,6-Trinitrobenzoic acid  
2,4-Diaminotoluene  
2,4-Dichlorophenol  
2,4-Dinitroaniline

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2,4-Dinitrofluorobenzene  
2,4-Dinitrophenol  
2,4-Dinitrotoluene  
2,5-Dichloroaniline  
2,5-Dichlorophenol  
2,6-Dinitrophenol  
2,7-Dihydroxynaphthalene  
2-Aminofluorene  
2-Bromoanisole  
2-Bromopyridine  
2-Chloro-4-nitroaniline  
2-Chloro-4-nitrophenol  
2-Methylnaphthalene  
2-Nitroso-1-naphthol  
3-Nitrophenol  
4,6-Dinitro-o-cresol  
4-Chlorophenol  
4-Chlorotoluene  
4-Nitroaniline  
9-Bromoanthracene  
a,a-Dichlorotoluene  
Atropine sulfate  
Barium perchlorate  
Bromocyan  
Cadmium acetate dihydrate  
Caffeine  
Cobalt (II) Perchlorate Hexahydrate  
Codeine Phosphate  
Cumene  
Cupric acetate .H<sub>2</sub>O  
Diethyl phthalate  
Difluorodioxouranium  
Digoxin  
Di-isonyl Phthalate  
Dimethyl phthalate  
Dioctylphthalate  
Hexamethylbenzene  
Chloroform  
m-Cresol  
Mercury(II) trifluoroacetate  
Naphthalene  
Nitrobenzene  
o-Nitrotoluene  
p-Cresol

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p-Dichlorobenzene  
p-Dinitrobenzene  
Pentachlorophenol  
Phenanthroline  
Phenobarbital  
Phosphorous acid  
Picryl chloride  
p-Nitrophenol  
p-Nitrotoluene  
Pyridine  
Scopolamine .HBr  
Sulfate Cadmium  
Sulfate Cobalt heptahydrate  
Toluene  
Xylenes Mixed  
Ytterbium Oxalate  
(1S,2R)-(+)-Ephedrine .HCl  
(2-Bromoethyl)trimethylammonium bromide  
(4-bromophenylethynyl)-trimethylsilane  
(4-tolylethyl)methyldichlorosilane  
(Carbonato) bis(ethylenediamine)cobalt(III) Chloride  
(E)-2-Nitroethenylbenzene  
(Hexamethylbenzene)ruthenium(ii) dichloride dimer  
(Methoxymethyl)triphenylphosphonium chloride  
(R)-(+)-N,N-dimethyl-1-(1-naphtyl)ethylamine  
[1,1'-Bis(diphenylphosphino)ferrocene]dichloropalladium(II)  
[1,3-Bis(diphenylphosphino)propane]nickel(II) chloride  
1-(3-Dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride  
1-(Chloromethyl)-1h-benzotriazole  
1-(Triisopropylsilyl)pyrrole  
1,1,1,3,3,3-Hexamethyldisilazane  
1,1,1-Trifluoro-2-phenyl-3-butyn-2-ol  
1,1,1-Trichloro-2-methyl-2-propanol  
1,1,1-Trichloroethane  
1,1,2,2-Tetrachloroethane  
1,10-Dibromodecane  
1,10-Phenanthrolinium chloride monohydrate  
1,12-Diaminododecane  
1,18-Dibromoocadecane  
1,1'-Bis(diphenylphosphino)ferrocene-palladium(II)dichloride dichloromethane complex  
1,1-Bis(p-chlorophenyl)-2,2,2-trichloroethane = DDT  
1,1'-Diethyl-4,4'-carbocyanine iodide  
1,2,3,4-Tetrabromobutane  
1,2,3,4-Tetrahydronaphthalene

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1,2,4,5-Tetramethylbenzene  
1,2,4-Triacetoxybenzene  
1,2-Bis(chlorodimethylsilyl)ethane  
1,2-Dibromopropane  
1,2-Dicyanobenzene  
1,2-dichlorotetramethyldisilane  
1,2-Diiodobenzene  
1,2-Phenylenediamine  
1,3,5-Triacetylbenzene  
1,3,5-tribromobenzene  
1,3,5-Trihydroxybenzene dihydrate  
1,3,5-Trimethyl-2,4-dinitrobenzene  
1,3,5-Trinitrobenzene  
1,3,5-Tri-t-butylbenzene  
1,3-Diaminopropane  
1,3-dibromo-5,5-dimethylhydantoin  
1,3-Dibromopropane  
1,3-Dichloro-1,4-naphthoquinone  
1,3-Dichloro-2-propanol  
1,3-Diphenylisobenzofuran  
1,3-Diphenylurea  
1,3-Phenylenediamine dihydrochloride  
1,4,5,8-Naphthalenetetracarboxylic acid  
1,4,7,10-tetraazacyclododecane tetrahydrochloride  
1,4,7-Oxadiazonane dihydribromide  
1,4-bis(2-(5-phenyl)-oxazoly) benzene  
1,4-Bis(trimethylsilyl)-1,3-butadiyne  
1,4-Diazobicyclo(2.2.2)octane  
1,4-Dibromo-2,3-butanedione  
1,4-Dibromo-2,5-bis(octyloxy)benzene  
1,4-Dibromobutane  
1,4-Diiodobenzene  
1,4-Dimethylnaphthalene  
1,4-Dioxane  
1,4-Diphenyl-1,3-butadiene  
1,4-Phenylenediamine  
1,5-cyclooctadiene  
1,5-Diaminoanthraquinone  
1,5-Dibromopentane  
1,5-Dihydroxynaphthalene  
1,5-Dichloroanthraquinone  
1,5-Dimethylnaphthalene  
1,5-Diphenylcarbazide  
1,6-Dibromohexane

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1,6-Heptadiyne  
1,8-Naphthalic anhydride  
10-Camphorsulfonyl chloride  
11-Bromoundecanoic acid  
1-amino-2-(alpha-naphthylamino)ethane dihydrochloride  
1-Amino-2-naphthol-4-sulfonic acid  
1-Amino-2-phenylpropane  
1-Amino-3-nitrobenzene  
1-Amino-7-sulfonaphthalene  
1-Bromo-2-Iodobenzene  
1-Bromo-2-Methylnaphthalene  
1-Bromo-3-chloropropane  
1-Bromo-4-Iodobenzene  
1-Bromo-4-nitrobenzene  
1-Bromoadamantane  
1-Bromobutane  
1-Bromododecane  
1-Bromoheptane  
1-Bromohexadecane  
1-Bromohexane  
1-Bromomonane  
1-Bromoocatadecane  
1-Bromoocetane  
1-Bromopropane  
1-Bromotetradecane  
1-Ethyl-2-nitrobenzene  
1-Ethynyl-2,4,5-trimethylbenzene  
1-Ethynyl-2-nitrobenzene  
1-Ethynyl-3,5-dimethoxybenzene  
1-Ethynyl-4-pentylbenzene  
1-Ethynyl-4-phenoxybenzene  
1-Ethylnaphthalene  
1-Fluoro-2-nitrobenzene  
1-Hexadecylpyridinium bromide  
1-Hydroxy-2-naphthoic acid  
1-Chloro-2,4-dinitrobenzene  
1-Chloro-4-iodobenzene  
1-Chlorobutane  
1-Chlorohexane  
1-Indanone  
1-Iodo-2-(trimethylsilyl)acetylene  
1-Idobutane  
1-Iodododecane  
1-Iodoxane

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1-Methylindole  
1-Methylthymine  
1-Naphthol  
1'-Acetonaphthone  
1-Nitrobutane  
1-Octyl-4-(thien-3-yl)-1,2,3-triazole  
1-Phenyl-1,2-ethanediol  
1-Phenyl-1-propanol  
1-Phenyl-1-Propyne  
1-Phenyl-2-propyn-1-ol  
1-Phenyl-2-thiourea  
1-Phenyl-3-Methyl-5-Pyralozone  
1-Phenyl-3-pyrazolidone  
2- Aminoethanethiol hydrochloride  
2-((Trimethylsilyl)-ethynyl)thiophene  
2-(2,5-dibromophenyl)-5-phenyl-1,3,4-Oxadiazole  
2-(2,5-Dibromophenyl)-5-pyrid-2-yl-1,3,4-Oxadiazole  
2-(2-hydroxy-5-Methyl-phenyl)-5- chlorobenzotriazol  
2-(2-Hydroxyphenyl)-5-chlorobenzotriazol  
2-(4-Pentyloxy)tetrahydro-2h-pyran  
2-(Aminomethyl)pyridine  
2-(Ethylamino)ethanol  
2-(Chloromethyl)pyridine hydrochloride  
2-(N-Morpholino)ethanesulfonic acid; MES  
2-(p-Iodophenyl)-3-(p-nitrophenyl)-5-phenyl-2H-tetrazolium chloride  
2,1,3-Benzothiadiazole  
2,2'-(1,4-phenylene)bis-1,3,2-dioxaborinane  
2,2,2-Trichloroacetamide  
2,2',4'-Trichloroacetophenone  
2,2,6,6-Tetramethyl-4-piperidone hydrochloride  
2,2'-[2,5-bis(octyloxy)-1,4-phenylene]bis[4,4,5,5-tetramethyl-1,3,2-Dioxaborolane  
2,2',3,3'-Tetramethoxybenzoin  
2,2'-Biquinoline= 2,2'-Diquinolyl  
2,2'-Dichloroethyl ether  
2,2'-Thiodiethanol  
2,2'-Methylenbis-(4-ethyl-6-tert.butylphenol)  
2,3,4,5,6-Pentafluoroaniline  
2,3,4-Trihydroxybenzoic acid  
2,3,5-Triphenyl-2H-tetrazolium bromide  
2,3-Dihydroxynaphthalene  
2,3-Pyridinedicarboxylic anhydride  
2,4,5-Trichloroaniline  
2,4,6-Collidine  
2,4,6-Triaminopyrimidine

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2,4,6-Tribromoaniline  
2,4,6-Trihydroxy-1,3,5-triazine  
2,4,6-Trichlorphenylhydrazine  
2,4,6-Triisopropylbenzenesulfonyl chloride  
2,4-Diaminophenol .2HCl  
2,4-Dihydroxybenzaldehyde  
2,4-Dichloro-1-naphthol  
2,4'-Dichloroacetophenone  
2,4-Dichloroaniline  
2,4-Dichlorobenzaldehyde  
2,4-Dichloriodobenzene  
2,4-Dichlorophenoxyacetic acid  
2,4-dichlorophenylsalicylate  
2,4-Dimethoxybenzaldehyde  
2,4-Dinitrophenylhydrazine  
2,4-Di-T,-butylphenol based additive  
2,4-Lutidine  
2,5-Diaminotoluene sulfate  
2,5-Dibromo-3-carboxythiophene  
2,5-Dibromo-3-hexylthiophene  
2,5-Dibromoterephthalic acid  
2',5'-Dichloroacetophenone  
2,5-dichlorobenzenesulfonyl chloride  
2,5-Dimethylfuran  
2,5-Dinitrophenol  
2,6-bis(Dibromomethyl)pyridine  
2,6-Diaminopyridine  
2,6-Dibromoquinone-4-chloroimide  
2,6-Dichloriodobenzene  
2,6-Dichlorophenol  
2,6-Dichlorophenol indophenol  
2,6-Dichloroquinone-4-chloroimide  
2,6-Diisopropyl Phenol  
2,6-Diisopropylaniline  
2,6-pyridinedicarboxylic acid  
2,6-Di-tert-butylphenol  
2,6-Lutidine  
2,7,9-Tribromo-9H-fluorene  
2,7-Dibromo-9,9-bis[4-(octyloxy)phenyl]-9H-Fluorene  
2,7-Dibromo-9H-fluoren-9-one  
2,7-Dibromofluorene  
2',7'-Dichlorofluorescein  
2,7-Dimethoxynaphthalene  
2'-Acetonaphthone

2-Acetylpyrrole  
2-Adamantanone  
2-Amino-1-naphthalenesulfonic acid  
2-Amino-2-methyl-1-propanol  
2-Amino-3-hydroxypyridine  
2-Amino-3-Picoline  
2-Amino-4-chlorophenyl phenyl ether  
2-Amino-4-nitrotoluene  
2-Amino-5-naphthol-7-sulfonic acid  
2-Amino-6-nitrotoluene  
2-Aminobenzenethiol  
2-Aminobenzimidazole  
2-Aminobenzophenone  
2-Aminobenzyl alcohol  
2-Aminophenol  
2-Aminopyridine  
2-Aminopyrimidine  
2-Aminopyrimidinium (1+) Perchlorate 1:2  
2-Aminopyrimidinium (1+) Perchlorate 2:1  
2-Azacyclonanonane  
2-Benzyl-4-chlorophenol  
2-Bromo-2-butene  
2-Bromo-2-nitro-1,3-propanediol  
2-Bromo-3-hexylthiophene  
2-Bromo-3-thiophene carboxylic acid  
2-Bromoacetophenone  
2-Bromobenzonitrile  
2-Bromobutyric acid  
2-Bromoethanol  
2-Bromoethylamine hydrobromide  
2-Bromohexanoic acid  
2-Bromomethyl-1,3-dioxolane  
2-Bromopentane  
2-Bromopropane  
2-Bromopropionyl bromide  
2-Butyne-1,4-Diol  
2-Cyanoacetamide  
2'-Deoxycytidine .HCl  
2-Dimethylaminoethylamine  
2-Ethoxynaphthalene  
2-Ethylhexylamine  
2-Ethyltoluene  
2-Ethynyl-6-methoxynaphthalene  
2-Ethynylpyridine

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2-ethynyl- $\alpha,\alpha,\alpha$ -trifluorotoluene  
2-Fluoroaniline  
2-Fluorophenol  
2-Furaldehyde  
2-Furoic acid  
2-Furoylchloride  
2-Hydroxy-1,4-naphthoquinone  
2-Chloro-3-(trifluoromethyl)pyridine  
2-Chloro-3-fluoropyridine  
2-Chloroaniline  
2-Chloroaniline-5-sulfonic acid  
2-Chlorobenzaldehyde  
2-Chlorobenzoic acid  
2-Chlorobenzonitrile  
2-Chloroethanol  
2-Chloronicotinonitrile  
2-Chlorooctane  
2-Chloropropionic acid  
2-Imidazolidone  
2-Iodoaniline  
2-Iodoanisole  
2-Iodohippuric acid  
2-Iodotoluene  
2-Benzothiazolethiol  
2-Mercaptoethanol  
2-Methoxy-1-naphthaldehyde  
2-Methoxyethylamine  
2-Methoxynaphthalene  
2-Methyl-4,6-bis(hydroxy benzyl N,N-dimethylthiocarbamate)phenol  
2-Methyl-6-nitroaniline = 6-Nitro-o-toluidine  
2-Naphthaldehyde  
2-Naphthoic acid  
2-Naphthol  
2-Naphthyl acetate  
2-Naphthylamine-3,6-disulfonic acid  
2-Nitroaniline  
2-Nitrobenzaldehyde  
2-Nitrophenol  
2-Nitropropane  
1-Hydroxy-2-phenoxyethane  
2-Phenoxyethyl isobutyrate  
2-Picoline  
2-Pyridilcarbinol  
2-tert-Butyl-4-methylphenol

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2-tert-Butylphenol  
2-Thenoyl-trifluoroacetone  
2-Thiobarbituric acid  
2-Thiophenecarboxaldehyde  
2-Thiophenemethanol  
2-Vinylnaphthalene  
3-(Aminomethyl)pyridine  
3-(Chloromethyl) heptane  
3-(Trimethylsilylethynyl)thiophene  
3,3-Diaminobenzidine tetrahydrochloride  
3,3'-Diaminodipropylamine  
3,4,9,10-Perylenetetracarboxylic dianhydride  
3,4-Dibromothiophene  
3,4-Dihydroxybenzaldehyde = Protocatechualdehyde  
3,4-Dihydroxycinnamic acid= Caffeic acid  
3,4-Dichloroaniline  
3,4-Dimethoxybenzaldehyde  
3,4-Dimethoxybenzyl alcohol  
3,4-Dimethylaniline  
3,5-Dichloroaniline  
3,5-Dimethylisoxazole  
3,5-Dimethylphenol = Xylenol  
3,5-Dinitrobenzoic acid  
3,5-Dinitrobenzoyl chloride  
3,5-Dinitrosalicylic acid  
3,9-Dibromocamphor  
3-[6-(4-Methoxyphenoxy)hexyl]-thiophene  
3'-Nitroacetophenone  
3-Acetyl umbelliferone  
3-Acetylpyridine  
3-Amino-1-propanol  
3-Aminobenzenesulfonic acid  
3-Aminophenol  
3-Aminophthalhydrazide  
3-Aminopyridine  
3-Bromo-1-(Trimethylsilyl)-1-Propyne  
3-Bromoaniline  
3-Cyanopyridine  
3-Diethylamino-1-propanol  
3-Dodecylthiophene  
3-Ethoxy-4-hydroxybenzaldehyde = Ethylvanillin  
3-Glycidoxypropyltrimethoxysilane  
3-Hexyne  
3-Hydroxy-2-methylpyridine

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3-Hydroxy-2-naphthoic acid  
3-Hydroxybenzaldehyde  
3-Hydroxypyridine  
3-Chloro-1,2-propanediol  
3-Chloro-1-propanol  
3-Chloro-4-methylaniline  
3-Chloroaniline  
3-Chlorobenzaldehyde  
3-Chlorophenol  
3-Chloropropyltrichlorosilane  
3-Indolebutyric acid  
3-Methacryloxypropyltrimethoxysilane  
3-Methoxypropylamine  
3-Methyl-4-nitrophenol  
3-Nitrobenzenesulfonic acid  
3-Nitrobenzenesulfonic acid sodium salt  
3-Nitrophthalic acid  
3-Picoline = 3-Methylpyridine  
3-Propenyltriphenylphosphonium bromide  
3-Thiophenecarbonitrile  
3-Thiophenecarboxylic acid  
3-Thiophenemethanol  
4-(1-Hydroxyethyl)pyridine  
4-(2,4-Dinitroanilino)phenol  
4-(2-Pyridylazo)resorcinol disodium salt, dihydrate  
4-(2-Thiazolylazo)resorcinol, TAR  
4-(t-Octyl)phenol  
4-(Trifluoromethoxy)phenol  
4,4-thiobisphenol  
4,4'-bipyridyl  
4,4'-Dichlorodiphenyl sulfone  
4,4'-Methylenebis(N,N-dimethylaniline)  
4,4'-thiobis(2-tert-butyl-5-methylphenol)  
4,5-Dichlorophthalic acid  
4,7-Diazafluoren-9-one  
4,7-Dibromo-2,1,3-benzothiadiazole  
4'-Methylacetanilide  
4'-Nitroacetophenone  
4-Acetamidophenyl salicylate  
4-Acetyl biphenyl  
4-Acetylpyridine  
4-Allyl-2-methoxyphenol  
4-Amino-3-nitrotoluene  
4-Amino-5-hydroxy-2,7-naphthalenedisulfonic acid

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4-Aminoantipyrine  
4-Aminoazobenzene  
4-Aminobenzoic acid; PABA  
4'-Aminooxanilic acid  
4-Aminopyridine  
4'-Bromoacetophenone  
4-Bromoaniline  
4-Bromoanisole  
4-Bromobenzaldehyde  
4-Bromobenzoic acid  
4-Bromobenzonitrile  
4-Bromobenzyl alcohol  
4-Bromobenzyl bromide  
4-Bromobenzyl chloride  
4-Bromobiphenyl  
4-Bromocyclohexanol  
4-Bromochlorobenzene  
2,4'-Dibromoacetophenone  
4-Bromophenol  
4-Bromophenylacetic acid  
4-Bromophenylhydrazine hydrochloride  
4-Cumylphenol  
4-Cyanopyridine  
4-Dimethylaminopyridine  
4-Ethynylbiphenyl  
4-Fluorobenzaldehyde  
4-Fluorobenzoic acid  
4-Hydroxybenzaldehyde  
4-Hydroxybenzoic acid  
4-Hydroxycinnamic acid  
4'-Hydroxypropiophenone  
4-Chloro-1,3-phenylenediamine  
4-Chloro-1,8-naphthalic anhydride  
4-Chloro-2-methylaniline  
4-Chloro-7-nitrobenzo-2-oxa-1,3-diazole  
4'-Chloroacetophenone  
4-Chloroaniline  
4-Chlorobenzaldehyde  
4-Chlorobenzoic acid  
4-Chlorobenzonitrile  
4-Chlorobutyronitrile  
4-Chlorochalcone  
4'-Chlorochalcone  
4-Chlorophenylhydrazine hydrochloride

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4-chlorophenylsalicylate  
4-Chloropyridinium chloride  
4-Iodoanisole  
4-Iodobenzoic acid  
4-Iodophenol  
4-Isopropyltoluene, p-Cymene  
4-Methoxybenzoic acid  
4-Methylamino-phenol-sulfate  
4-Methylaniline hydrochloride  
4-Methylmorpholine  
4-Nitrobenzenesulfonyl chloride  
4-Nitrobenzoic acid  
4-Nitrophenol  
4-Nitrophenylhydrazine  
4-Nitrophthalic acid  
4-Octylpyrocatechol  
4-Phenylazophenol  
4-Phenylphenol  
4-Phenyltoluene  
4-Pyridinealdoxime  
4-Pyrrolidinopyridine  
4-t-Butylphenol  
4-tert-Butyl-4'-methoxy-dibenzoylmethane  
4-tert-butylbenzonitrile  
4-Tolylboronic acid  
4-Trifluoromethylmercaptophenol  
4'-Trifluoromethylphenyl acetylene  
5-(2-Pyridyl)tetrazole  
5-(3-Thienyl)-2H-1,2,3,4-Tetrazole  
5,5-Dimethylhydantoin  
5,5-Diphenyl-2-thiohydantoin  
5,6,7,8-Tetrahydro-2-naphthol  
5,7-dibromo-8-hydroxyquiiinoline  
5,7-Diido-8-hydroxyquinoline  
5-Aminosalicylic acid  
5-Bromo-4-chloro-3-indolyl b-D-galactopyranoside  
5-Bromoisatin  
5-Bromo-m-xylene  
5-Bromosalicylaldehyde  
5-Bromosalicylic acid  
5-Cyano-1-pentyne  
5-Ethyl-2-methylpyridine  
5-Ethynyl-1-methyl-1H-imidazole  
5-Chloro-1,3-dimethoxybenzene

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5-Chloro-2-hydroxyaniline  
5-Chlorosalicylic acid  
5-Chlorovaleric acid  
5-Iodouracil  
5-Nitro-1,10-phenanthroline  
5-Nitrobenzimidazole nitrate  
6-Azathymine  
6-Azauracil  
6-Benzylaminopurine  
6-Chloro-1-hexyne  
6-Methoxy-1-tetralone  
6-Methylaminopurine  
6-Piperidinopurine  
7-tert-Butoxy-2,5-norbornadiene  
8-Hydroxyquinoline sulfate  
8-Quinolinesulfonic acid  
9-(Chloromethyl)anthracene  
9,10-Bis(phenylethynyl)anthracene  
9,10-Dibromoanthracene  
9,10-Dicyanoanthracene  
9,10-Diphenylanthracene  
9,9-Dioctyl-2,7-dibromofluorene  
9,9-Dioctylfluorene-2,7-diboronic acid bis(1,3-propanediol) ester  
9-Acetylanthracene  
9-Anthracenecarbonitrile  
9-Anthraldehyde  
9-Ethynylphenanthrene  
9-Fluorenone  
9-Fluorenone-4-carboxylic acid  
a,a'-Dichloro-p-xylene  
Acenaphthene  
Acetaminophen  
Acetic anhydride  
Acetoacetanilide  
Acetone  
Acetone cyanohydrin  
Acetone oxime  
Acetophenone  
Acetyl chloride  
Acetylcholine bromide  
Acridine  
Acridine Orange hydrochloride hydrate  
Acridine orange hydrochloride hydrate  
Acrylamide

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Acrylonitrile  
Adamantane  
Adenine  
Adipoyl chloride  
a-Chloralose  
Aldrin  
Alizarin = 1,2-Dihydroxyanthraquinone  
Alloxan hydrate  
Allyl chloride  
Allyl sulfide  
Allylamine  
Alpha,alpha'-Dibromo-p-xylene  
Aluminium Chlorohydrate  
Amantadine .HCl  
Aminacrine hydrochloride  
Aminodiphenylmethane  
Aminomethylphosphonic acid  
Aminophylline  
Aminopyrine  
Amitriptyline hydrochloride  
Amitriptylinoxide  
Ammonium dichromate  
Ammonium hydrogenselenite  
Ammonium chromate  
Amylamine  
a-Naphthyl red hydrochloride  
5-a-Androstan-3-a-ol-17-one  
Aniline hydrochloride  
Aniline sulfate  
Anthranilic acid = 2-Aminobenzoic acid  
Anthranilonitrile  
Anthraquinone  
Anthraquinone-2-sulfonic acid, sodium salt, monohydrate  
Anthrone  
Arsenazo I  
Barbital  
Barbituric acid  
Barium acetate hydrate  
Barium selenite  
Barium succinate  
Fuchsine Basic  
Bathocuproine  
Bathophenanthroline  
Bathophenanthrolinedisulfonic acid, Na salt

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b-Bromostyrene  
Benzamide  
Benzamidine hydrochloride  
Benzanilide  
Benzenearsonic acid  
Benzenesulfinic acid, sodium salt  
Benzenesulfonic acid  
Benzethonium chloride  
4,4'-Diamino-diphenyl  
Benzidine dihydrochloride  
Benzidine sulfate  
Benzil  
Benzilic acid  
Benzimidazole  
Cyasorb UV 9  
Benzonitrile  
Benzophenone  
Benzotriazole  
Benzoylacetonitrile = beta-Oxohydrocinnamonnitrile  
Benzoylhydrazine  
Benzyl 2-bromoacetate  
Benzyl bromide  
Benzyl cyanide  
Benzyl chloride  
Benzyl chloroformate  
Benzyl nicotinate  
Benzyl sulfide  
Benzyltrimethylammonium dichloroiodate  
Benzyltrimethylammonium chloride  
Beryllium acetate, basic  
Betaine hydrochloride  
beta-Nitrostyrene  
Biphenyl  
Bis(2,4,6-trichlorophenyl)ethanedioate  
Bis(5-chloro-2-hydroxyphenyl)methane  
Bis(benzyl-tetramethyl-cyclopentadienyl) titanium (IV) dichloride  
Bis(cyclopentadienyl) titanium bromide  
Bis(cyclopentadienyl)zirconium dichloride  
Bis(dibenzylideneacetone)palladium  
Bis(dimethylisopropylsilyl-tetramethyl-cyclopentadienyl) titanium (IV) dichloride  
Bis(fluorophenyl-tetramethyl-cyclopentadienyl) titanium (IV) dichloride  
Bis(pentamethylcyclopentadienyl)hafnium dichloride  
Bis(pentamethylcyclopentadienyl)zirconium dichloride  
Bis(phenyl-trimethyl-cyclopentadienyl) titanium (IV) dichloride

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Bis-(sodium sulfopropyl)-disulfide  
Bis(tetramethylcyclopentadienyl)zirconium dichloride  
Bis(trimethylsilyl-tetramethyl-cyclopentadienyl) titanium (IV) dichloride  
Bis(triphenylphosphine)nickel(II)chloride  
Bis(triphenylphosphine)palladium(II) chloride  
Bis(tris(acetylacetonato)titanium(IV)) hexachlorotitanate(IV)  
Bis[(pentamethylcyclopentadienyl)dichloro-rhodium]  
Bismuth Phosphate  
Bismuth Tribromophenate  
Bismuth(III) acetate oxide  
Bisphenol A  
β-Naphthoxyacetic acid  
Boc-Tyr DCHA  
Boron Trifluoride, etherate  
Bromisovale  
Bromoacetaldehyde diacetyl acetal  
Bromocresol Green  
Bromocresol Purple  
Bromodiphenylmethane  
Bromomethyl methyl ether  
Bromosulfonazo III  
Bromothymol Blue  
Bromotributyltin  
Bromoxylenol Blue  
Butyl benzyl phthalate  
Butyltriphenylphosphonium bromide  
Cadmium Acetate  
Cadmium selenate  
Cadmium Stearate  
Cadmium tosylate  
Cadmium(II) Hydroxide with Carbonate  
Caffeine Citrate  
Calix(8)Aren  
Carbaethopendeciniate Bromide  
Carbazole  
Carbonate Cadmium  
Carbonate Cobalt (II) basic  
Carbonate Lead (II)  
Carbonate Nickel  
Carbonate Nickel(II) (basic) hydrate  
Carbonate Nickel(II) Hydroxide Tetrahydrate  
Carboxyarsenazo III  
Catechol  
Cerium Sulfate Tetrahydrate

Cerium(III) Oxalate Nonahydrate  
Cesium selenate  
Cetyl Cholesteroyl Carbonate  
Cetyltrimethylamine  
Cinchonine  
cis-1,2-Dichloroethylene  
cis-Stillbene  
Clopidol, 3,5-Dichloro-2,6-dimethyl-4-pyridinol  
Cobalt (II) Oxalate  
Cobalt (II) tosylate  
Cobalt Selenite  
Cobalt(II) selenite dihydrate  
Cobalt(III) acetylacetone  
Cobaltous acetate  
Copper Perchlorate Hexahydrate  
Copper Tosylate  
Copper Trifluoromethanesulfonate  
Copper(II) Acetate  
Copper(II) Diammonium Chloride Dihydrate  
Copper(ii) selenite dihydrate  
Cuprous (I) Cyanide  
Cyanoacetohydrazide  
Cyanuric chloride  
Cyclene Methylphosphonate Tetrahydrobromide  
Cyclohexyl isocyanate  
Cyclohexylacetylene  
Cyclohexylamine  
Cyclohexylmercaptan  
Cyclopentyl bromide  
Cyclopropyltriphenylphosphonium bromide  
Cystamine dihydrochloride  
Cytidine  
Cytosine  
Dansyl chloride  
Dehydrocholic acid  
Dehydroisoandrosterone  
Deoxycholic acid; sodium salt monohydrate  
Diacetone Alcohol  
Diaminodiphenylmethane  
Diantimony Trioxide  
Dibasic Lead Stearate  
Dibenzo-18-crown-6  
Dibenzosuberone  
Dibenzoyl-L-tartaric acid Monohydrate

Dibenzoylmethane  
Dibenzylamine  
Dibromomethane  
Dibutyl sulfide  
Dibutyltin diacetate  
Dibutyltin oxide  
Dicyandiamide = Cyanoguanidine  
Dicyclohexyl phthalate  
Diethanolamine hydrochloride  
Diethyl 4,4'- biphenyldicarboxylate  
Diethyl bromomalonate  
Diethyl chlorophosphate  
Diethyl(3-bromopropyl)phosphonate  
Diethylamine  
Diethylenediamine  
Diethylenetriamine-N'-methylenephosphonic-N,N,N'',N''-tetraacetic acid Hydrochloride  
Dichloro(1,5-cyclooctadiene)palladium(II)  
Dichloro(1,5-cyclooctadiene)platinum(II)  
Dichloro(p-cymene)ruthenium(II) dimer  
Dichloroacetic acid  
Dichloromethane  
Diisopropyl phosphite  
Diiodomethane  
Diiron nonacarbonyl  
Diisopropyl Bromomethylphosphonate  
Diisopropyl ether  
Diisopropylamine  
Di-L-Leucine Selenate  
Diltiazem Hydrochloride  
Di-L-Valine Selenate Monohydrate  
Dimethyl Aminomalonate Hydrochloride  
2-Chloro-1,1-dimethoxyethane  
Dimethyl Terephthalate  
Dimethyl-2,5-dibromoterephthalate  
Dimethylamine Hydrochloride  
2-Dimethylaminoethanol  
Dinitrostilbenedisulfonic acid  
Diocetyl-2,5-dibromoterephthalate  
Diphenyl Vinyl Chlorosilane  
Diphenylacetylene  
Diphenylamine  
Diphenylfulvene  
Diphenylguanidine  
Diphenyllead(IV) dichloride

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Diphenylmercury(II)  
Diphenylsilanediol  
Diphenylthiocarbazone  
2,2',4,4',6,6'-Hexanitrodiphenylamine  
Dirhenium decacarbonyl  
di-toluene-4-sulfimide  
DL-2-Bromopropionic acid  
Dodecylamine  
Dopamine  
Dosulepine  
Eddate Dipotassium Magnesium  
endo-3-Bromo-d-camphor  
Epinephrine  
Ethidium bromide  
Ethoxyphenoldimer  
Ethyl 2,3-dibromopropionate  
Ethyl 2-chloroacetoacetate  
Ethyl 5-bromovalerate  
Ethyl benzoate  
Ethyl benzoylformate  
Ethyl bromoacetate  
Ethyl Carbamate  
Ethyl cinnamate  
Ethyl chloroacetate  
Ethyl chloroformate  
Ethyl isonicotinate  
Ethyl nicotinate  
Ethyl oxalyl chloride  
Ethyl salicylate  
Ethyl(triphenyl)phosphonium chloride  
Ethyl-3-Bromopropanoate  
Ethyl-3-nitrobenzoate  
Ethylamine hydrochloride  
Ethyylaniline  
Ethylbenzene  
1,2-Bis(diphenylphosphino)ethane  
Ethylenediamine  
Ethyltriphenylphosphonium bromide  
Ethynyl p-tolyl sulfone  
Fenpiverinium bromide  
Fluoranthene  
Fluorescein mercuric acetate  
Fluorone Black  
Fmoc-L-lysine hydrochloride

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Gadolinium acetate trihydrate  
Glycinamide hydrochloride  
Glycine tert butyl ester hydrochloride  
Guanine  
Hafnium Oxide  
Hexabromocyclododecane  
Hexadecyltributylphosphonium bromide  
Hippuric acid  
Homatropine hydrobromide  
Homovanillic acid  
Hydrazine dihydrochloride  
Hydrazine monohydrochloride  
Hydroquinone  
Hydroxyamphetamine hydrobromide  
Hydroxylamine hydrochloride  
Hydroxytriphenyltin  
Chalcone  
Chelidamic acid monohydrate  
Chloral hydrate  
Chloramine B hydrate  
Chloramine T  
Chloramphenicol  
Chlorhexidine  
Chloroacetaldehyde  
Chloroacetamide  
Chloroacetone  
Chloroacetonitrile  
Chlorodimethylphenylsilane  
Chlorodiphenylphosphine  
Chlorodiphenylsilane  
Chlorohydroquinone  
Chloromaleic anhydride  
Chloromethyl thiocyanate  
Chloromethyltriphenylphosphonium chloride  
Chloropentamethyl disilane  
Chlorophenol Red  
Chlorophosphonazo  
Chlorotributyltin  
Chlorotriphenyllead  
Chlorotriphenylsilane  
Chlorotris(triphenylphosphine)copper  
Chlorotris(triphenylphosphine)rhodium(I)  
Chloroxine  
Chlorpromazine Chloride

Chlorprothixene  
Chlorthalidone  
Cholesterol  
Cholesteryl 3-Phenylpropionate  
Cholesteryl Acetate  
Cholesteryl Benzoate  
Cholesteryl Butyrate  
Cholesteryl Caprinate  
Cholesteryl Caproate  
Cholesteryl Cinnamate  
Cholesteryl Elaidate  
Cholesteryl Erucate  
Cholesteryl Ethyl Carbonate  
Cholesteryl Heptanoate (Enanthate)  
Cholesteryl Chloride  
Cholesteryl chloroformate  
Cholesteryl methyl carbonate  
Cholesteryl Myristate  
Cholesteryl Pelargonate  
Cholesteryl Propionate  
Cholesteryl Undecylate  
Cholesteryl Valerate  
Choline  
Chromic (VI) Trioxide  
Chromic acetate  
Chromium (III) hydroxide n-hydrate  
Chromium (III) potassium sulfate dodecahydrate  
Chromium (III) potassium trisoxalate  
Chromium hexacarbonyl  
Chromium(III) acetate dihydrate  
Chromium(III) acetylacetone  
Imidazole  
Imidazolidinyl urea  
Imino-bis(methylphosphonic acid)  
Indene  
Indole-3-acetic acid  
Indole-3-carboxaldehyde  
Indole-3-carboxylic acid  
Indoxyl Acetate  
Inosine  
Iodic acid  
Iodobenzene  
Iodoform  
Irganox 565

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Irganox 858  
Isatin  
Isobutylbenzene  
Isobutylbromide  
Isocyanic acid  
4-Pyridinecarboxylic acid hydrazide  
Isonicotinic acid  
Isonitrosocamphor  
Isoquinoline  
Lanthanum (III) Amidosulfate  
Lanthanum Diphosphate  
Lanthanum Oxide  
Lead Stearate  
Lead Sulfate Tribasic Modified  
Lead(II) acetate trihydrate  
Lead(II) cyanamide hydrate  
Lead(II) Hydrogenselenite  
Lepidine  
Linear Alpha Olefin C 18 isomerized  
Lithium bromide  
Lithium Perchlorate Trihydrate  
Lithium Selenate  
L-Mandelic Acid  
Magnesium Hydrogen Selenite Tetrahydrate  
Magnesium Perchlorate  
Magnesium Perchlorate Hexahydrate  
Magnesium selenate hexahydrate  
Manganese pentacarbonyl bromide  
Manganese Perchlorate  
Manganese Perchlorate Hexahydrate  
Manganese selenate  
m-Dinitrobenzene  
Meglumine  
Melamine = sym-Triaminotriazine  
Mercaptoacetyltriglycine  
Mercuric (II) Thiocyanate  
Mercury(II) trifluoromethanesulfonate  
Methanesulfonic acid  
Methanesulfonyl chloride  
Methoxyflurane  
Methyl 2-iodobenzoate  
Methyl 4-aminobutyrate hydrochloride  
Methyl 4-bromobenzoate  
Methyl benzoate

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Methyl cyanoacetate  
Methyl dichloroacetate  
Methyl p-toluenesulfonate  
Methyl pyrrole-2-carboxylate  
Methyl red Hydrochloride  
Methylsalicylate  
Methylamine Hydrochloride  
Methylenediphosphonic acid  
Methyliodide  
Mixture of alkylated phenols  
Mixture of cumylated phenols  
m-Nitroacetanilide  
Molybdenum hexacarbonyl  
Molybdenum(V) Tetrachloride Oxide  
Monoethanolamine  
mono-Methyl terephthalate  
Morpholine Methylphenylphosphinate  
Morpholine Methyl-t-butylphoshinate  
m-Phthalodinitrile  
m-Toluic acid  
m-Toluidine  
Mycophenolic acid  
N-(2-chlorobenzoyloxy-carbonyloxy)succinimide  
N-(4-Hexyloxybenzylidene)-p-Toluidine  
N-(4-Octyloxybenzylidene)-p-Toluidine  
N-(Bromomethyl)phthalimide  
N-(chlorosulfonyl)-2-Pyrrolecarboxamide  
N,N'-Diphenylbenzidine  
N,N-Diethyl-1,4-phenylenediamine  
N,N-Diethylaniline  
N,N-Diethylethanolamine  
N,N-Diisopropylethylamine  
N,N-Dimethyl-4-nitrosoaniline  
N,N-Dimethylaniline  
N,N-Dimethylbenzylamine  
N,N-Dimethyl-p-phenylenediamine dihydrochloride  
N,N-Dimethyl-p-phenylenediamine sulfate  
N,N-Dimethyl-p-toluidine  
N,N'-Methylenebisacrylamide  
N-Acetyl-1,4-phenylenediamine  
Naphthalene-2-sulfonic acid; sodium salt  
Naphthoresorcinol  
N-Benzoyl-N-phenylhydroxylamine  
N-benzyl-2-bromoacetamide

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N-benzylcinchonidinium chloride  
N-Benzylmethylamine  
N-Benzyl-N,N,N-triethylammonium chloride  
N-Bromosuccinimide  
Neotetrazolium chloride  
N-Formylmorpholine  
N-Chlorosuccinimide  
Nickel (II) cyanide  
Nickel Acetate Tetrahydrate  
Nickel Ammonium Sulfate Hexahydrate  
Nickel bis(dimethyldithiocarbamate)  
Nickel Dibutyl dithiocarbamate  
Nickel Diethyldithiocarbamate  
Nickel Perchlorate Hexahydrate  
Nickel Selenate  
Nickel(II) Hydroxide  
Nickel(II) Hydroxide Carbonate  
Ninhydrin  
N-Isopropyl-N'-(p-isopropylphenyl)-1,4-phenylenediamine  
Nitrate Cadmium tetrahydrate  
Nitrate Cerium (III) Ammonium  
Nitrate Cerium (III) hydrate  
Nitrate Cerium(III) Hexahydrate  
Nitrate Cobalt Hexahydrate  
Nitrate Copper  
Nitrate Dysprosium  
Nitrate Erbium(III) pentahydrate  
Nitrate Europium(III) hydrate  
Nitrate Gadolinium hexahydrate  
Nitrate Gallium  
Nitrate Holmium(III) pentahydrate  
Nitrate Chromic  
Nitrate Lanthanum hexahydrate  
Nitrate Lanthanum(III)  
Nitrate Lutetium hydrate  
Nitrate Magnesium  
Nitrate Mercuric Monohydrate  
Nitrate Mercurous  
Nitrate Mercurous Dihydrate  
Nitrate Neodymium Hexahydrate  
Nitrate Platinum (II)  
Nitrate Praseodymium(III) hexahydrate  
Nitrate Samarium  
Silver Nitrate

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Nitrate Strontium  
Nitrate Terbium(III) pentahydrate  
Nitrate Thallium  
Nitrate Thulium (III)  
Nitrate Uranyl(VI) Hexahydrate  
Nitrate Ytterbium pentahydrate  
Nitrate Yttrium hexahydrate  
Nitrate Yttrium pentahydrate  
Nitrate Zirconium (IV)  
Nitrate Zirconyl  
Nitrate Zirconyl Dihydrate  
Nitrilotriacetic acid  
Nitrocyclohexane  
Nitroethane  
Nitromethane  
Nitrotetrazolium blue chloride  
N-Methylcyclohexylamine  
Nonylamine  
Nonylphenol  
N-Phenyl-2-naphthylamine  
N-Phenylanthranilic acid  
o-(Phenyliminomethyl)phenol  
o-Anisic acid  
o-Anisidine  
Octadecylamine  
Octafluoronaphthalene  
Octylamine  
o-Fluoroiodobenzene  
o-Chlorophenol  
o-Iodobenzoic acid  
o-Phenanthroline  
o-Phthalic acid  
o-Tolidine  
o-Tolidine dihydrochloride  
o-Toluic acid  
o-Toluidine  
o-Tolunitrile  
Oxfoxacin  
o-Xylene  
Palladate(2-), tetrakis(thiocyanato-S)-, potassium (1:2)  
Palladium bis(acetylacetone)  
Palladium diacetate  
Palladium, [(2,3,5,6-h)-bicyclo[2.2.1]hepta-2,5-diene]dibromo-  
Palladium, bis[m-(acetato-O:O')]bis[2-[(dimethylamino-N)methyl]phenyl-C]- (9CI)

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Palladium, dibromo[(1,2,5,6-h)-1,5-cyclooctadiene]-  
Palladium, di-m-chlorobis[(1,2,3-h)-2-methyl-2-propen-1-yl]di-  
Palladium, di-m-chlorobis[2-[(dimethylamino-kN)methyl]phenyl-kC]di-  
Palladium, chloro(2,4-pantanediolato-O,O')(triphenylphosphine)-, (SP-4-3)- (9CI)  
Palladon  
p-Aminoacetophenone  
Papaverine hydrochloride  
p-Azobenzene sulfonic acid  
p-Cyanobiphenyl  
p-Dibromobenzene  
p-Dimethylaminobenzaldehyde  
Pentaamminecobalt(III) carbonate  
Pentaamminecobalt(III) carbonate iodide  
Pentaamminecobalt(III) Carbonate Nitrate  
Pentaamminecobalt(III) Iodide Carbonate  
Pentaamminechlorocobalt(III) chloride  
Pentaammineiodidecobalt(III) iodide  
Perchlorate Ammonium  
Perchlorate barium trihydrate  
Perchlorate Cadmium Hexahydrate  
Perchlorate Zinc Hexahydrate  
Periodic Acid  
Periodic Acid Dihydrate  
Perrhenic Acid  
Phenanthrene  
Phenethyl chloride  
Phenethyldimethylchlorosilane  
Phenobarbital Sodium  
Phenol,2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)  
Phensuximide  
Phenyl Ether  
Phenyl Isocyanate  
Phenyl isothiocyanate  
Phenylacetic acid  
Phenylephrine hydrochloride  
Phenylhydrazin hydrochloride  
Phenylhydrazine  
Phenylchloroformate  
Phenylmercuric acetate  
Phenylphosphonic Acid  
Phenylphosphonic dichloride  
Phenylurea  
Phlorizin  
Phosphinic acid

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Phosphonitrilic chloride trimer  
Phthalic anhydride  
Phthalide  
Phthalimide  
Phthiocol, 2-Hydroxy-3-methyl-1,4-naphthoquinone  
Picolinic acid  
Picrolonic acid  
Pilocarpine Hydrochloride  
Piperidine  
Pitofenone Hydrochloride  
Pivaloyl chloride  
p-Nitrobenzyl bromide  
4-Nitrophenyl acetate  
Poly(sodium 4-styrenesulfonate)  
Polyalkylbenzene  
Potassium Cobalt(II) Sulfate  
Potassium Dicyanoargentate  
Potassium dichromate  
Potassium Ferricyanide  
Potassium Hexathiocyanatochromate(III) tetrahydrate  
Potassium chromate  
Potassium tetracyanocadmite  
p-Phenylenediamine dihydrochloride  
p-Phenylenediamine Sulfate  
Prazosin Hydrochloride  
Procaine  
Promethazine hydrochloride  
p-Sulfophenylazochromotropic acid  
p-Terphenyl = 1,4-Diphenylbenzene  
p-Toluic acid  
p-Toluidine  
p-Tolunitrile  
Pyridine 4-Phosphonic Acid  
Pyridine hydrochloride  
Pyridinium perchlorate  
Pyridinium toluene-p-sulfonate  
Pyrogallol = 1,2,3-Trihydroxybenzene  
Pyrrole  
Pyrrole-2-carboxaldehyde  
Quinaldic acid  
Quinhydrone  
Ranitidine Hydrochloride  
Resacetophenone  
Rhenium pentacarbonyl bromide

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Rhodanine  
Rhodium (triphenylphosphine)carbonylacetylacetone  
Rhodium, carbonyl(2,4-pentanedionato-O,O')(tricyclohexylphosphine)-, (SP-4-2)- (9CI)  
Rhodium, di-m-chlorobis[(1,2,5,6-h)-1,5-cyclooctadiene]di-  
Rubrene  
Ruthenium, (acetato-O)dicarbonyl-  
Ruthenium, bis(2,2'-bipyridine-N1,N1')dichloro-, hydrate (1:2)  
Salicin  
Salicylaldehyde semicarbazone  
Salicylidene-o-Aminophenol  
Samarium Oxide  
S-binol, (S)-(-)-1,1'-Bi-2-naphthol  
Semicarbazide hydrochloride  
Silver acetate  
Silver tosylate  
Sodium Alkyl Aryl Sulfonate  
Sodium Arsenate Hydrate  
Sodium borohydride  
Sodium cyanate  
Sodium Dichloroisocyanurate  
Sodium chloroacetate  
Sodium m-arsenite  
Sodium Metaarsenate  
Sodium Perchlorate Monohydrate  
Sodium Peroxide  
Sodium Picosulfate  
Sodium selenite  
Sodium stannate trihydrate  
Sodium trichloroacetate  
Styphnic acid  
Succinimide  
Sulfamethazine  
Sulfate Beryllium Tetrahydrate  
Sulfate Cerium  
Sulfate Cerium (III) hydrate  
Sulfate Copper Pentahydrate  
Sulfate Europium  
Sulfate Chromic  
Sulfate Mercuric(II)  
Sulfate Mercurous(I)  
Sulfate Nickel  
Sulfate Nickel Hexahydrate  
Sulfate Nickel(II) Heptahydrate  
Sulfate Silver

Sulfate Stannous  
Sulfate Zirconium tetrahydrate  
Sulfathiazole  
Sulfuryl chloride  
t-butyl Bromoacetate  
t-Butyl cyanide  
t-butyl Dimethylsilanol  
t-Butylamine  
Telluric acid  
Tellurium (IV) Oxide  
Terephthalonitrile  
tert.Butyldimethylsilyl chloride  
Tetrabromophthalic anhydride  
Tetrabutylammonium bromide  
Tetrabutylammonium cyanide  
Tetrabutylammonium perchlorate  
Tetrabutylphosphonium Bromide  
Rhodamine B  
Tetrafluoroboric acid in HF  
Tetrahydrofurfuryl alcohol  
Tetrachlorobenzoquinone = Chloranil  
Tetrachlorophthalic anhydride  
Tetramethyl ammonium chloride  
Tetramethylammonium bromide  
Tetraoctylammonium bromide  
Tetraoctylphosphonium Bromide  
Tetraphenoxy silane  
Tetraphenylarsonium chloride  
Tetraphenyllead  
Tetraphenylphosphonium bromide  
Tetraphenylphosphonium chloride hydrate  
Tetraphenyltin  
Tetrasodium Edetate  
Tetrazolium blue chloride  
Tetrazolium violet  
Thallium(i) 2,4-pentanedionate  
Thallium(I) oxalate  
Theophylline = 1,3-Dimethylxanthine  
Thiolane 1,1-dioxide  
Thiophene  
Thymidine  
Tinopal 2B Whitener  
Titanium Ethoxide  
Titanocene dichloride

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Toluenesulfonyl Chloride  
Tramadol hydrochloride  
trans-1,2-Dibromocyclohexane  
trans-4-Phenyl-3-buten-2-one  
trans-Cinnamaldehyde  
Trans-Stilbene  
Triamminetrinitrocobalt(III); hydrate  
Tribenzylamine  
Tributyl phosphate  
Tributylammonium chloride  
Tributyltin hydride  
Triethanolamine  
Triethyl orthoformate  
Triethyl phosphonoacetate  
Triethylamine  
Trihexylamine  
Trichloroethylene  
Tri-L-Valine Selenate Monohydrate  
Trimecain Chloride  
Trimethyl phosphate  
Trimethyl(2,3,4,5-tetramethyl-2,4-cyclopentadien-1-yl)silane  
Trimethyl(phenylethynyl)tin  
Trimethylphenylammonium chloride  
Trimethylsilyl Benzoate  
Trioctylamine  
Triphenyl phosphate  
Triphenyl Phosphine  
Triphenylantimony  
Triphenylantimony(V) hydroxide  
Triphenylantimony(V) chloride  
Triphenylarsine  
Triphenylgermanium bromide  
Triphenylmethyl Chloride  
Triphenylsilane  
Triphenylsilanol  
Triphenylsilyl chloride  
Triphenylsilylacetylene  
Triphenyltin chloride  
Triphenyltin(IV) acetate  
Tripropylamine  
Triruthenium dodecacarbonyl  
Tris(hydroxymethyl)aminomethane hydrochloride  
Tris-ethylenediamine-cobalt(III) Bromide Dihydrate  
Tritolyl phosphate

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Tungsten hexacarbonyl  
Tyramine hydrochloride  
Uracil  
Uranyl Acetate  
Uranyl acetate dihydrate  
Hexamethylenetetramine  
Verapamil .HCl  
Xanthene 9-carboxylic Acid  
Xylyl bromide  
Yohimbine .HCl  
Zinc bis(acetato-O)dioxouranate  
Zinc hexacyanoferrate(II) trihydrate  
Zinc selenate  
Zirconium(IV) acetylacetone  
Ethyl palmitate  
Acetamide  
Inositol  
Pentaerythritol  
Persulfate Sodium  
Phosphate Ammonium Dibasic  
Sodium Cetyl sulfate  
Sodium Octanoate  
Sodium Toluenesulfonate  
Tetrabutylammonium chloride  
Anethole  
Dimethylsulfoxide  
Methyl alcohol  
Neopentyl glycol  
Nitrocellulose E-150  
Polyvinylidene fluoride  
3,4-Dihydroxy-L-Phenylalanine  
Iron (III) Oxide, Hematite  
1,4-Pentanediol  
2-Ethoxyethyl acetate  
Amyl Acetate  
Cyclooctanone  
Dicyclopentadiene  
Ethyl butyrate  
 $N,N,N^{\prime},N^{\prime\prime}$ -Tetramethyleneethylenediamine  
Guaiifenesin  
Isosorbide 5-Mononitrate  
Sodium Salicylate  
Sulfanilic acid  
Thymol = 3-p-Cymenol

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3,7-Dimethyl-1,6-octadien-3-yl acetate  
Succinamide  
Cinnamyl alcohol  
p-Benzoquinone  
Acetonylacetone  
N-Decyl aldehyde  
3-(N-Morpholino)propanesulfonic acid; MOPS  
meso-2,3-Dimercaptosuccinic acid  
Thioglycolic Acid  
Pinacol  
Decahydronaphthalene  
Cyclooctene  
4-Methyl-7-hydroxycoumarin  
5-Sulfosalicylic acid  
5-Ureidohydantoin  
Acetazolamide  
6,9-Diamino-2-ethoxyacridine lactate .H<sub>2</sub>O  
Alprazolam  
Ambroxol .HCl  
Antazoline mesylate  
Atenolol  
Azidamfenicol  
Bacitracin Zinc  
Sodium 5,5-diethylbarbiturate  
Benzocaine  
Bisabolol  
Butamirate citrate  
Caffeine Sodium Benzoate  
Calcium Dobesilate  
Chenodeoxycholic Acid  
Cinchocaine.HCl  
Ciprofloxacin  
Clopamide  
Dexamethasone Acetate  
Diaveridine  
Diclofenac Sodium  
Dipyrrone  
Dithiadene  
Dithranol  
Doxycycline  
Epinephrine Bitartrate  
Ergotamine Tartrate  
Esculin  
Ethyl Biscoumacetate

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Famotidine  
Fenofibrate  
Flunitrazepam  
Hydrocortisone Acetate  
Ibuprofen  
Indapamide  
Indomethacin  
Ioxitalamic Acid  
Kebuzone  
Mephenoxalone  
Metronidazole  
Naftidrofuryl oxalate  
Nitrofurantoin  
Ornidazole  
Oxiconazole Nitrate  
Phthalylsulfathiazol  
Piroxicam  
Propafenone  
Propyphenazone  
Quinidine Hydrochloride, Monohydrate  
Quinidine Sulfate  
Quinine Hydrochloride  
Reserpine  
Roxithromycine  
Rutoside  
Silver Albumin Acetyl Tannate  
Silver Albumin Acetyl Tannate with Borax  
Sulpiride  
Tetracycline Hydrochloride  
Thioridazine  
Tiaprofenic Acid  
Triamcinolone Acetonide  
Trimethoprim  
Troxerutine  
Ursodeoxycholic Acid  
Viprynum Embonate  
Xanthinol Nicotinate  
Glucono-delta-lactone  
Bismuth Gallate Basic  
 $\alpha$ -Cyclodextrin hydrate  
Ammonium Benzoate  
DL-DOPA = 3-(3;4-dihydroxyphenyl)- DL-alanine  
Erythritol  
Adonitol

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Sitosterol  
N-(tert-butoxycarbonyl)-L-norvaline dicyclohexylammonium  
Ethyl cyanoacetate  
Taurine = 2-Aminoethanesulfonic acid  
Adenine Sulfate  
Trans-4-Hydroxy-D-proline  
Morin=2',3,4',5,7- Pentahydroxyflavone  
Furil  
Cacotheline  
Methyl Furoate  
Hypoxanthine  
Xanthine  
Dihydrocholesterol  
2-Isopropylidene-5-methylcyclohexanone  
Dihydroisoandrosterone  
Amitriptyline  
Diethyl dithiophosphate, ammonium salt  
Di-t-butyl dicarbonate  
Sulfamic acid  
Thioacetic acid  
n-Butyl vinyl ether  
Maleic Hydrazide  
Guanidine  
3,7,11,15-Tetramethyl-2-hexadecen-1-ol  
Guanidine Nitrate  
Ammonium Pyrrolidine Dithiocarbamate  
2-(Methylthio)ethanol  
Ethylurea  
Ammonium thiocyanate  
Hydrazine sulfate  
Tetrabutylammonium hexafluorophosphate  
Furan  
Phenyl phosphate, disodium salt .2H<sub>2</sub>O  
Biscyclohexanone Oxalyldihydrazone  
Benzoin oxime = Cupron  
a,a,a-Trifluoro-p-tolunitrile  
DL-10-Camphorsulfonic acid  
Oxalic Acid Dihydrate  
Thioacetamide  
Sodium p-toluenesulfonate  
1-Adamantanol  
1-Cyanonaphthalene  
Trinitrotoluene (TNT)  
Semtex 1A

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Octogen (HMX)  
Hexogen (RDX)  
Pentaerythritol tetranitrate (Pentrite)  
DMDNB  
Tetryl  
Dynamite  
Nitrocellulose #1 for explosives  
Penritol Np 10T  
Bees Wax for explosives  
Paraffin liquid for explosives  
Permonex V19  
Permon 10  
Polonit V  
Permon G3  
Ostravit C  
Perunit HG  
A-IX-1  
Danubit 3  
Perunit 22  
Perunit 20  
Danubit 1  
Emsit 20  
Perunit 28  
Slavit V  
Permon DAP P  
DM-1  
Semtex S30  
DAP-1  
Np10  
Semtex 10SE  
Semtex 1H  
T/H/E  
DAP-2  
Harmonit AD  
A-IX-2  
Synthesit V18  
Obrysit  
Permon DAP M  
Emsit I  
PI U-EP 14  
Permon Extra 11  
Semtex 2  
Danubit Geofex 2  
Carbodenubit

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Nitrate Barium  
Acrobat MZ  
Actara 25WG  
Afonal 45SC  
Aliette 80 WP  
Alister  
Ally 20 SX  
Applaud 25 WP  
Atlantis WG  
Atonik  
Attribut S670  
Aurora 40 WG  
Axial 100 EC  
Bancol 50 WP  
Banvel 480S  
Basagran Forte  
Basta 15  
Baycor 25 WP  
Bentazone Na 600  
Betanal Expert  
Bladex  
Bladex 50 SC  
Bofix  
Boxer 800 EC  
Breakthru  
Breakthru S240  
Butisan 400 SC  
Butisan Star  
Calaris 400 SC  
Callisto 480 SC  
Calypso 480 SC  
Casoar  
Chisel 75 WG  
Command 4EC  
Delan 700 WDG  
Dicopur  
Discus  
Dithane DG  
Dithane M 45  
Dominator  
Dual Gold 960 EC  
Dursban 10 G  
Equip  
Escort

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Esteron 60  
Euparen Multi  
Falcon 460 EC  
Fertimag Mgn 8-8  
Folpan 80WG  
Frontier 900 EC  
Fusilade Super  
Gallant Super  
Gardoprime Plus Gold 500 CS  
Genamin T200 BM  
Gesagard 80WP  
Gesaprim 500 FW  
Gesaprim 90 WDG  
Glean 75 PX  
Glean 75 WG  
Glyphogan 480 SL  
Goal 2E  
Granstar 50 SX  
Granstar 75WG  
Grid  
Grodyl Plus  
Guardian Safe Max  
Harmony Extra  
Hattrick  
Husar  
Husar Liquid  
Juwel  
Karathane LC  
Kompal 365 SE  
Lentagran WP  
Lintur 70 WG  
Lintur 75 WG  
Logran 75 WG  
Maister  
Maister Liquid  
Marshal 250 EC  
Merlin 480 SC  
Merlin 750 WG  
Merpan 80 WG  
Mesurol  
Mikado SC 300  
Milagro 040 CS  
Monitor 75 WG  
Mospilan 20 SP

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**[ftirspectra@gmail.com](mailto:ftirspectra@gmail.com)**

Mythos 30 SC  
Nissorun 10 WP  
Novozir Mn 80  
Nurelle D  
Omite 30 W  
Omite 570 EW  
Pantera 40 EC  
Pinoxaden 100 EC  
Pirimor 50 WG  
Pirimor DP  
Polyram WG  
Previcur 607 SL  
Puma Extra  
Racer 25 EC  
Refine  
Reldan 40 EC  
Rider 400 EC  
Ridomil Gold Mz 68 WP  
Roundup Bioactive  
Roundup Classic  
Rovral Flo  
Rubigan 12 EC  
Safari 50 DF  
Saprol  
Sekator  
Sencor 70 WG  
Solar  
Sporgon 50 WP  
Stabilan 750 SL  
Stemat 200 EC  
Stomp 400 SC  
Sumithion Super  
Syllit 65 WP  
Synbetan P  
Talstar 10 EC  
Tango Super  
Tatoo  
Teldor 500 SC  
Teridox 500 EC  
Tiara 500 SC  
Tilt 250 EC  
Titus 25 WG  
Tomigan 250 EC  
Topik 080 EC

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Touchdown  
Trophy  
U-46-D-Fluid  
U-46-M-Fluid  
Zato 50 WG  
Zolone 35 EC

## List of Spectra /CAS Numbers

100-00-5  
100-01-6  
100-02-7  
100-09-4  
100-10-7  
100-11-8  
10016-20-3  
100-16-3  
100-19-6  
10022-31-8  
10022-68-1  
100-25-4  
10025-64-6  
10026-22-9  
10026-23-0  
10026-24-1  
10031-49-9  
10031-51-3  
1003-29-8  
10034-81-8  
10034-93-2  
100-37-8  
100-39-0  
10040-45-6  
100-41-4  
10042-76-9  
1004-38-2  
100-44-7  
10045-25-7  
100-47-0  
100-48-1  
10048-95-0  
10049-01-1

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100-54-9  
100-60-7  
100-63-0  
100641-16-5  
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100-83-4  
100-97-0  
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106-94-5  
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108-39-4  
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108-75-8  
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109-04-6

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