

# Aldrich Phosphorus and Sulphur Compounds FT-IR Spectral Library, Edition 2

## Index of Compounds

| No. | Compound Description   | No. | Compound Description   |
|-----|--|-----|--|
| 245 | ((1R)-(endo,anti))-(-)-3-Bromocamphor-8- sulfonic acid, ammonium salt, 99%       | 620 | (S)-(+)-1,1'-Bi-2-naphthol bis(trifluoro- methanesulfonate), 97%       |
| 246 | ((1S)-(endo,anti))-(-)-3-Bromocamphor-8- sulfonic acid, ammonium salt, 97%       | 655 | (S)-(+)-1-Benzyloxy-3-(p-tosyloxy)-2- propanol, 95%                    |
| 291 | (-)-10-Dicyclohexylsulfamoyl-D- isoborneol, 98%                                  | 646 | (S)-(+)-2,2-Dimethyl-1,3-dioxolan-4- ylmethyl p-toluenesulfonate, 97%  |
| 778 | (-)-1-Chloro-3-tosylamido-7-amino-2- heptanone hydrochloride, 98%                | 260 | (S)-(+)-2-Methylbutyl methanesulfonate, 99%                            |
| 629 | (-)-2,3-Butanediol di-p-tosylate, 99%  | 626 | (S)-(+)-2-Methylbutyl p-toluenesulfonate, 97%                          |
| 306 | (-)-Sinigrin monohydrate, 98%  | 638 | (S)-(+)-5-(Hydroxymethyl)-2-pyrrolidinone p-toluenesulfonate, 95%      |
| 292 | (+)-10-Dicyclohexylsulfamoyl-L- isoborneol, 98%                                  | 814 | (S)-(+)-N,S-Dimethyl-S-phenylsulfoximine, 98%                          |
| 242 | (+/-)-10-Camphorsulfonic acid monohydrate, 98%                                   | 653 | (S,S)-(-)-1,4-Di-O-tosyl-2,3-O- isopropylidene-L-threitol, 97%         |
| 243 | (+/-)-10-Camphorsulfonic acid, sodium salt, 97%                                  | 760 | 1-(p-Tosyl)-3,4,4-trimethyl-2- imidazolium iodide, 98%                 |
| 298 | (1R)-(-)-(10-Camphorsulfonyl)oxaziridine   | 759 | 1-(p-Tosyl)-3,4,4-trimethylimidazolidine, 98%                          |
| 299 | (1R)-(-)-(8,8-Dichloro-10-camphorsulfonyl)oxaziridine, 96%                       | 410 | 1,1,3-Tris(phenylthio)-1-propene, 98%                                  |
| 244 | (1R)-(-)-10-Camphorsulfonic acid, ammonium salt                                  | 262 | 1,2:5,6-Di-O-isopropylidene-3-O-(methylsulfonyl)-alpha-D-glucofuranose |
| 286 | (1R)-(-)-10-Camphorsulfonyl chloride, 97%  | 331 | 1,2-Benzenedimethanethiol, 95%   |
| 294 | (1R)-(+)-2,10-Camphorsultam, 98%   | 567 | 1,2-Benzenedisulfonic acid, dipotassium salt, 99%                      |
| 809 | (1R)-(+)-Camphor p-tosylhydrazone  | 411 | 1,2-Benzodiphenylene sulfide, 99%                                      |
| 801 | (1R,2R,3S)-(-)-3-(N-Benzenesulfonyl-N-(3,5-dimethylphenyl)amino)-2-bornanol, 99% | 387 | 1,2-Dimethoxy-3-(methylthio)benzene, 98%                               |
| 800 | (1R,2S,3R)-(+)-3-(N-Benzenesulfonyl-N-(3,5-dimethylphenyl)amino)-2-bornanol, 99% | 27  | 1,2-Ethanedithiol, 99%   |
| 293 | (1S)-(-)-2,10-Camphorsultam, 98%   | 595 | 1,2-Naphthoquinone-4-sulfonic acid, potassium salt, tech., 90%         |
| 810 | (1S)-(-)-Camphor p-tosylhydrazone  | 594 | 1,2-Naphthoquinone-4-sulfonic acid, sodium salt, 97%                   |
| 297 | (1S)-(+)-(10-Camphorsulfonyl)oxaziridine   | 29  | 1,2-Propanedithiol, 97%  |
| 241 | (1S)-(+)-10-Camphorsulfonic acid, 99%  | 605 | 1,3,(6 Or 7)-naphthalenetrisulfonic acid, trisodium salt hydrate       |
| 285 | (1S)-(+)-10-Camphorsulfonyl chloride, 97%  | 125 | 1,3,5-Trithiane, 97%   |
| 106 | (2-Chloroethyl)dimethylsulfonium iodide, tech., 90%                              | 337 | 1,3-Benzenedimethanethiol, 95%   |
| 650 | (2R)-(-)-Glycidyl 3-nitrobenzenesulfonate,98%                                    | 568 | 1,3-Benzenedisulfonic acid, disodium salt, tech., 80%                  |
| 648 | (2R)-(-)-Glycidyl tosylate, 99%  | 336 | 1,3-Benzenedithiol, 99%  |
| 651 | (2S)-(+)-Glycidyl 3-nitrobenzenesulfonate,99%                                    | 414 | 1,3-Benzodithiol-2-ylum tetrafluoro- borate, 98%                       |
| 649 | (2S)-(+)-Glycidyl tosylate, 99%  | 409 | 1,3-Bis(phenylthio)propane, 99%  |
| 352 | (3,4-Toluenedithiolato(2-))zinc hydrate  | 309 | 1,3-Butanediol cyclic sulfate, 99%                                     |
| 402 | (3-Chloropropyl)diphenylsulfonium tetrafluoro- borate, 97%                       | 31  | 1,3-Butanedithiol, 96+%  |
| 295 | (7R)-10,10-Dimethyl-5-thia-4-azatricyclo- (5.2.1.03,7)dec-3-ene-5,5-dioxide, 99% | 46  | 1,3-Dimercapto-2-propanol, 95%   |
| 296 | (7S)-10,10-Dimethyl-5-thia-4-azatricyclo- (5.2.1.03,7)dec-3-ene-5,5-dioxide, 99% | 120 | 1,3-Dithiane, 97%  |
| 488 | (Phenylsulfinyl)(phenylsulfonyl)methane, 95%                                     | 270 | 1,3-Propane sultone, 99+%  |
| 439 | (Phenylsulfonyl)acetonitrile, 98%  | 628 | 1,3-Propanediol di-p-tosylate, 98%                                     |
| 619 | (R)-(-)-1,1'-Bi-2-naphthol bis(trifluoro- methanesulfonate), 97%                 | 28  | 1,3-Propanedithiol, 99%  |
| 654 | (R)-(-)-1-Benzyloxy-3-(p-tosyloxy)-2- propanol, 95%                              | 139 | 1,4,7,10,13,16,19,22,25-Nonathiacyclo- heptacosane, 98%                |
| 645 | (R)-(-)-2,2-Dimethyl-1,3-dioxolan-4- ylmethyl p-toluenesulfonate, 97%            | 136 | 1,4,7,10,13,16,19,22-Octathiacyclo- tetracosane, 98%                   |
| 656 | (R)-(-)-Dihydro-5-(p-tolylsulfonyloxy- methyl)-2(3H)-furanone, 98%               | 134 | 1,4,7,10,13,16-Hexathiacyclooctadecane                                 |
| 813 | (R)-(-)-N,S-Dimethyl-S-phenylsulfoximine, 98%                                    | 133 | 1,4,7,10,13-Pentathiacyclopentadecane                                  |
| 417 | (R)-(+)-Methyl p-tolyl sulfoxide, 99%  | 129 | 1,4,7,10-Tetrathiacyclododecane  |
| 652 | (R,R)-(+)-1,4-Di-O-tosyl-2,3-O- isopropylidene-D-threitol, 97%                   | 128 | 1,4,7-Trithiacyclodecane, 97%  |
| 627 | (S)-(-)-1,2-Propanediol di-p-tosylate, 99%                                       | 127 | 1,4,7-Trithiacyclononane, 98%  |
| 418 | (S)-(-)-Methyl p-tolyl sulfoxide, 99%  | 137 | 1,4,8,11,15,18,22,25-Octathiacyclo- octacosane, 95%                    |
|     |  | 130 | 1,4,8,11-Tetrathiacyclotetradecane, 95%                                |
|     |  | 345 | 1,4-Benzenedimethanethiol, 98%   |
|     |  | 271 | 1,4-Butane sultone, 99+%   |
|     |  | 30  | 1,4-Butanedithiol, 97%   |
|     |  | 122 | 1,4-Dithiane, 97%  |

| <u>No.</u> | <u>Compound Description</u>  | <u>No.</u> | <u>Compound Description</u>   |
|------------|--|------------|---|
| 123        | 1,4-Dithiane-2,5-diol, 97%   | 117        | 2-(2,4-Cyclopentadien-1-ylidene)-1,3- dithiolane, 99%   |
| 118        | 1,4-Dithiaspiro(4.5)decan-8-ol, 98%  | 443        | 2-(3-Aminophenylsulfonyl)ethanol hydrochloride, 97%   |
| 50         | 1,4-Dithio-L-threitol, 98%   | 444        | 2-(3-Nitrophenylsulfonyl)ethanol, 97%   |
| 140        | 1,4-Thioxane, 98%  | 485        | 2-(4-(4-Benzyloxyphenylsulfonyl)phenoxy-N-(2-chloro-5-(4-(2,4-di-tert-pentylphenoxy)butyramido)-phenyl-4,4-dimethyl-3-oxopentanamide, 95% |
| 165        | 1,4-Thioxane-1,1-dioxide, 99%  | 386        | 2-(4-Chlorophenylthio)ethanol, 99%  |
| 138        | 1,5,9,13,17,21,25,29-Octathia- cyclodotriacontane, 97%                       | 606        | 2-(4-Sulfophenylazo)-1,8-dihydroxy-3,6-naphthalene-disulfonic acid, trisodium salt, indicator grade                                       |
| 135        | 1,5,9,13,17,21-Hexathiacyclotetracosane- 3,11,19-triol, mixture of isomers   | 377        | 2-(Ethylthio)phenol, 98%  |
| 131        | 1,5,9,13-Tetrathiacyclohexadecane, 97%                                       | 157        | 2-(Methylsulfonyl)ethanol, 98%  |
| 132        | 1,5,9,13-Tetrathiacyclohexadecane-3,11- diol, 96%, mixture of cis and trans  | 89         | 2-(Methylthio)ethanol, 99%  |
| 124        | 1,5-Dithiacyclooctan-3-ol, 94%   | 445        | 2-(Phenylsulfonyl)acetophenone, 99%   |
| 596        | 1,5-Naphthalenedisulfonic acid, disodium salt hydrate, 95%                   | 476        | 2-(Phenylsulfonyl)aniline, 97%  |
| 32         | 1,5-Pentanedithiol, 98%  | 438        | 2-(Phenylsulfonyl)ethanol, 97%  |
| 637        | 1,6-Anhydro-3,4-O-isopropylidene-2-tosyl- D-galactose                        | 431        | 2-(Phenylsulfonyl)tetrahydropyran, 98%  |
| 33         | 1,6-Hexanedithiol, 96%   | 375        | 2-(Phenylthio)ethanol, 99%  |
| 787        | 1,8-Naphthosultam, 97%   | 26         | 2-, 3-, And 10-mercaptopinane, 95%, mixture of isomers  |
| 667        | 1,8-Naphthosultone, 98%  | 99         | 2,2'-(Decamethylenedithio)diethanol, 99%  |
| 34         | 1,8-Octanedithiol, 97+%  | 641        | 2,2,2-Trifluoroethyl p-toluenesulfonate, 99%  |
| 35         | 1,9-Nonanedithiol, 95%   | 647        | 2,2-Dimethyl-1,3-dioxolan-4-ylmethyl p-toluenesulfonate, 97%  |
| 284        | 10-Camphorsulfonyl chloride, 98%   | 158        | 2,2'-Sulfonyldiethanol, 60-65 wt. % solution in water   |
| 43         | 11-Mercapto-1-undecanol, 97%   | 397        | 2,2'-Thiobis(4-tert-octylphenol), 97%   |
| 463        | 1-Bromomethyl-2-((phenylsulfonyl)methyl)- benzene, 97%                       | 96         | 2,2'-Thiodiethanol, 99+%  |
| 184        | 1-Butanesulfonic acid, sodium salt, 98%                                      | 358        | 2,3,5,6-Tetrafluorobenzenethiol, 97%  |
| 277        | 1-Butanesulfonyl chloride, 98%   | 215        | 2,3-Dimercapto-1-propanesulfonic acid, sodium salt monohydrate, 95%   |
| 5          | 1-Butanethiol, 99%   | 47         | 2,3-Dimercapto-1-propanol, 95%  |
| 777        | 1-Butyl-3-sulfanilylurea, 98%  | 481        | 2,4,4',5'-Tetrachlorodiphenyl sulfone   |
| 190        | 1-Decanesulfonic acid, sodium salt, 98%                                      | 726        | 2,4,5-Trichlorobenzenesulfonyl chloride, 99%  |
| 535        | 1-Diazo-2-naphthol-4-sulfonic acid   | 795        | 2,4,5-Trichlorobenzenesulfonyl hydrazide, 98%   |
| 191        | 1-Dodecanesulfonic acid sodium salt, 99+%                                    | 380        | 2,4,5-Trichlorophenyl disulfide, 98%  |
| 11         | 1-Dodecanethiol, 98%   | 355        | 2,4,5-Trichlorothiophenol, tech., 80%   |
| 188        | 1-Heptanesulfonic acid, sodium salt hydrate                                  | 793        | 2,4,6-Triisopropylbenzene- sulfonyl hydrazide, 95%  |
| 187        | 1-Heptanesulfonic acid, sodium salt, 98%                                     | 725        | 2,4,6-Triisopropylbenzenesulfonyl chloride, 97%   |
| 8          | 1-Heptanethiol, 95%  | 357        | 2,4,6-Trimethyl-1,3-benzenedimethanethiol, 98%  |
| 193        | 1-Hexadecanesulfonic acid, sodium salt, 98%                                  | 792        | 2,4,6-Trimethylbenzenesulfonyl hydrazide, 97%   |
| 278        | 1-Hexadecanesulfonyl chloride, 98%   | 321        | 2,4,6-Trimethylbenzyl mercaptan, 98%  |
| 13         | 1-Hexadecanethiol, tech., 92%  | 456        | 2,4-Bis(methylsulfonyl)-1-chlorobenzene, 97%  |
| 186        | 1-Hexanesulfonic acid, sodium salt, 98%                                      | 457        | 2,4-Bis-(methylsulfonyl)-phenylhydrazine, 98%   |
| 7          | 1-Hexanethiol, 95%   | 797        | 2,4-Dichloro-5-sulfamoylbenzoic acid  |
| 255        | 1-Hydroxy-2,5-dioxo-3-pyrrolidinesulfonic acid, monosodium salt hydrate, 95% | 161        | 2,4-Dimethylsulfolane, 95%  |
| 39         | 1-Mercapto-2-propanol, 95%   | 511        | 2,4-Dinitrobenzenesulfonic acid dihydrate, 98%  |
| 19         | 1-Methyl-1-propanethiol, 98%   | 574        | 2,4-Dinitrobenzenesulfonic acid, sodium salt, 99%   |
| 462        | 1-Methyl-2-(phenylsulfonyl)methyl)- benzene, 97%                             | 719        | 2,4-Dinitrobenzenesulfonyl chloride, 98%  |
| 518        | 1-Naphthalenesulfonic acid, approx 50%                                       | 724        | 2,4-Mesitylenedisulfonyl chloride, 99%  |
| 584        | 1-Naphthalenesulfonic acid, sodium salt, tech., 80%                          | 508        | 2,5-Diaminobenzenesulfonic acid, tech., 90%   |
| 729        | 1-Naphthalenesulfonyl chloride, 97%  | 714        | 2,5-Dichlorobenzenesulfonyl chloride, 98%   |
| 603        | 1-Naphthol-3,6-disulfonic acid, disodium salt hydrate                        | 348        | 2,5-Dichlorobenzenethiol, 98%   |
| 400        | 1-Naphthyl ditelluride, 97%  | 570        | 2,5-Dihydroxy-1,4-benzenedisulfonic acid, dipotassium salt, 98%   |
| 618        | 1-Naphthyl trifluoromethanesulfonate, 97%                                    | 770        | 2,5-Dimethoxysulfanilamide  |
| 602        | 1-Nitroso-2-naphthol-3,6-disulfonic acid, disodium salt hydrate              | 458        | 2,6-Dichloro-4-(methylsulfonyl)aniline, 98%   |
| 10         | 1-Nonanethiol, 95%   | 346        | 2,6-Dichlorobenzenethiol, 97%   |
| 14         | 1-Octadecanethiol, 98%   | 597        | 2,6-Naphthalenedisulfonic acid, disodium salt, tech., 80%   |
| 189        | 1-Octanesulfonic acid, sodium salt, 99+%                                     | 36         | 2,9-p-Menthanedithiol   |
| 9          | 1-Octanethiol, 97+%  | 520        | 2-Amino-1-naphthalenesulfonic acid, 98%   |
| 185        | 1-Pentanesulfonic acid, sodium salt, 98%                                     | 454        | 2-Amino-4-(ethylsulfonyl)phenol, 97%  |
| 6          | 1-Pentanethiol, 98%  | 573        | 2-Amino-5-nitrobenzenesulfonic acid, sodium salt dihydrate, 99%   |
| 4          | 1-Propanethiol, 99%  |            |   |
| 192        | 1-Tetradecanesulfonic acid, sodium salt, 97%                                 |            |   |
| 109        | 1-Thio-beta-D-glucose, sodium salt dihydrate, 98%                            |            |   |

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|------------|--|------------|--|
| 738        | 2-Aminobenzenesulfonamide, 98%   | 693        | 3-(Fluorosulfonyl)benzoyl chloride, 97%                                  |
| 683        | 2-Aminobenzenesulfonyl fluoride, 99%   | 744        | 3-(Hydrazinosulfonyl)benzoic acid, 97%                                   |
| 305        | 2-Aminoethyl hydrogensulfate, 97%  | 95         | 3-(Methylthio)-1-hexanol, 97%  |
| 506        | 2-Aminotoluene-5-sulfonic acid, 98%  | 93         | 3-(Methylthio)-1-propanol, 98%   |
| 682        | 2-Bromobenzenesulfonyl chloride, 97%   | 447        | 3-(Phenylsulfonyl)propionic acid, 99%                                    |
| 329        | 2-Bromobenzenethiol, 97%   | 657        | 3-(Phenylsulfonyl)propionitrile, 98%                                     |
| 206        | 2-Bromoethanesulfonic acid, sodium salt, 98%   | 688        | 3-(Trifluoromethyl)benzenesulfonyl chloride, 95%                         |
| 376        | 2-Bromothioanisole, 97%  | 479        | 3,3'-(Sulfonylbis(4,1-phenyleneoxy))- dianiline, 97%                     |
| 281        | 2-Chloro-1-ethanesulfonyl chloride, 97%  | 100        | 3,3'-Thiodipropanol, 98%   |
| 453        | 2-Chloro-4-(methylsulfonyl)-aniline  | 349        | 3,4-Dichlorobenzenethiol, 97%  |
| 515        | 2-Chloro-4-aminotoluene-5-sulfonic acid, 97%   | 715        | 3,4-Dimethoxybenzenesulfonyl chloride, 98%                               |
| 720        | 2-Chloro-5-(fluorosulfonyl)-benzoic acid   | 347        | 3,4-Dimethylbenzenethiol, 98%  |
| 328        | 2-Chlorobenzenemethanethiol, 98%   | 166        | 3,4-Epoxytetrahydrothiophene-1,1-dioxide, 97%                            |
| 327        | 2-Chlorobenzenethiol, 99%  | 559        | 3,5-Dibromo-4-nitrosobenzenesulfonic acid, sodium salt hydrate, 98%      |
| 205        | 2-Chloroethanesulfonic acid, sodium salt monohydrate, 98%                            | 556        | 3,5-Dibromosulfanilic acid, sodium salt, 98%                             |
| 87         | 2-Chloroethyl ethyl sulfide, 98%   | 727        | 3,5-Dichloro-2-hydroxybenzenesulfonyl chloride, 99%                      |
| 261        | 2-Chloroethyl methanesulfonate, 99+%   | 354        | 3,5-Dimethylbenzenethiol, 96%  |
| 86         | 2-Chloroethyl methyl sulfide, 97%  | 350        | 3,6-Dichloro-1,2-benzenedithiol, 95%                                     |
| 371        | 2-Chloroethyl phenyl sulfide, 98%  | 598        | 3,6-Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt, tech., 92+% |
| 436        | 2-Chloroethyl phenyl sulfone, 98%  | 98         | 3,6-Dithia-1,8-octanediol, 97%   |
| 631        | 2-Chloroethyl p-toluenesulfonate, 99%  | 489        | 3-Acetamido-4-methoxybenzenesulfonic acid hydrate, 97%                   |
| 325        | 2-Ethylbenzenethiol, tech., 90%  | 691        | 3-Acetylbenzenesulfonyl fluoride, 99%                                    |
| 78         | 2-Ethylhexyl sulfide   | 803        | 3-Amino-1-(p-toluenesulfonyl)-3- pyrazoline, 97%                         |
| 687        | 2-Fluorosulfonylbenzenesulfonyl chloride, 98%  | 218        | 3-Amino-1-propanesulfonic acid, 97%                                      |
| 560        | 2-Formylbenzenesulfonic acid, sodium salt hydrate, tech., 75%                        | 219        | 3-Amino-1-propanesulfonic acid, sodium salt hydrate                      |
| 97         | 2-Hydroxyethyl disulfide, 95%  | 600        | 3-Amino-2,7-naphthalenedisulfonic acid, monosodium salt trihydrate, 97%  |
| 91         | 2-Hydroxyethyl isopropyl sulfide, 97%  | 716        | 3-Amino-4-chlorobenzenesulfonyl fluoride, 99+%                           |
| 326        | 2-Isopropylbenzenethiol, tech., 90%  | 789        | 3-Amino-4-chloro-N-(2-cyanoethyl)benzene- sulfonamide, 98%               |
| 44         | 2-Mercapto-3-butanol, 97+%, mixture of isomers                                       | 689        | 3-Aminobenzenesulfonyl fluoride hydrochloride hydrate, 98%               |
| 38         | 2-Mercaptoethanol, 98%   | 742        | 3-Amino-N-butylbenzenesulfonamide, tech., 90%                            |
| 51         | 2-Mercaptoethyl ether, 95%   | 478        | 3-Aminophenyl sulfone, 97%   |
| 104        | 2-Mercaptoethyl sulfide, tech., 90%  | 334        | 3-Bromobenzenethiol, 95%   |
| 514        | 2-Mesitylenesulfonic acid dihydrate, 97%   | 37         | 3-Chloro-1-propanethiol, 98%   |
| 723        | 2-Mesitylenesulfonyl chloride, 99%   | 212        | 3-Chloro-2-hydroxy-1-propanesulfonic acid, sodium salt hydrate, 95%      |
| 330        | 2-Methoxybenzenethiol, 97%   | 333        | 3-Chlorobenzenethiol, 97%  |
| 121        | 2-Methyl-1,3-dithiane, 99%   | 282        | 3-Chloropropanesulfonyl chloride, 99%                                    |
| 16         | 2-Methyl-1-butanethiol, 95%  | 172        | 3-Ethyl-2,5-dihydrothiophene-1,1-dioxide, 98%                            |
| 15         | 2-Methyl-1-propanethiol, tech., 92%  | 102        | 3-Ethylthio-1,2-propanediol, 97%   |
| 21         | 2-Methyl-2-butanethiol, tech., 90%   | 695        | 3-Fluorosulfonylbenzenesulfonyl chloride, 98%                            |
| 20         | 2-Methyl-2-propanethiol, 99%   | 694        | 3-Fluorosulfonylphenyl isocyanate, 98%                                   |
| 194        | 2-Methyl-2-propene-1-sulfonic acid, sodium salt, 98%                                 | 671        | 3H-1,2-Benzodithiol-3-one 1,1-dioxide, 99%                               |
| 324        | 2-Methylbenzenethiol, 95%  | 211        | 3-Hydroxy-1-propanesulfonic acid, sodium salt, 98%                       |
| 616        | 2-Naphthalenesulfonic acid, magnesium salt-bis-(hexachlorocyclopentadiene) adduct    | 45         | 3-Mercapto-1,2-propanediol, 95%  |
| 585        | 2-Naphthalenesulfonic acid, sodium salt, tech., 90%                                  | 40         | 3-Mercapto-1-propanol, 95%   |
| 519        | 2-Naphthalenesulfonic acid, tech., 70%   | 335        | 3-Methoxybenzenethiol, 98%   |
| 730        | 2-Naphthalenesulfonyl chloride, 99%  | 113        | 3-Methoxythietane  |
| 673        | 2-Naphthyl trifluoromethanesulfonate, 97%  | 17         | 3-Methyl-1-butanethiol, 97%  |
| 788        | 2-Nitro-4-(trifluoromethyl)benzene- sulfonamide, 98%                                 | 332        | 3-Methylbenzenethiol, 95%  |
| 741        | 2-Nitrobenzaldehyde tosylhydrazone, 99%  | 160        | 3-Methylsulfolane, 99%   |
| 739        | 2-Nitrobenzenesulfonamide  | 171        | 3-Methylsulfolene, 97%   |
| 684        | 2-Nitrobenzenesulfonyl chloride, 97%   | 101        | 3-Methylthio-1,2-propanediol, 99%  |
| 685        | 2-Nitrobenzenesulfonyl fluoride, 99+%  | 774        | 3-Nitrobenzenesulfonamide, 99%   |
| 183        | 2-Propanesulfonic acid, sodium salt mono- hydrate, flukabrand ion-pair reagent, 99+% | 557        | 3-Nitrobenzenesulfonic acid, sodium salt, 98%                            |
| 18         | 2-Propanethiol, 98%  | 690        | 3-Nitrobenzenesulfonyl chloride, 97%                                     |
| 668        | 2-Sulfobenzoic acid cyclic anhydride   | 323        | 3-Phenylpropyl mercaptan, 99%  |
| 512        | 2-Sulfobenzoic acid hydrate  | 636        | 3-Quinuclidyl p-toluenesulfonate hydrochloride, 98%                      |
| 696        | 3-(Chlorosulfonyl)benzoic acid, 96%  |            |  |
| 692        | 3-(Fluorosulfonyl)benzoic acid, 98%  |            |  |

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|------------|---|------------|--|
| 289        | 3-Sulfamoyl-L-alanine, 98%  | 776        | 4-Carboxybenzenesulfonamide, 97%   |
| 615        | 3-Sulfo-2-naphthoic acid, magnesium salt-bis(hexacyclopentadiene) adduct                  | 796        | 4-Carboxybenzenesulfonazide, 97%   |
| 251        | 3-Sulfopropyl acrylate, potassium salt  | 353        | 4-Chloro-1,3-benzenedithiol, 98%   |
| 252        | 3-Sulfopropyl methacrylate, potassium salt, 98%   | 583        | 4-Chloro-3-(4-(4-(dimethylamino)benzylidene)-3-methyl-5-oxo-2-pyrazolin-1-yl)benzenesulfonic acid, triethylammonium salt |
| 381        | 3-Tert-butyl-4-hydroxy-5-methylphenyl sulfide   | 572        | 4-Chloro-3-nitrobenzenesulfonic acid, sodium salt, tech., 80%  |
| 504        | 4-(3-Methyl-5-oxo-2-pyrazolin-1-yl)-benzenesulfonic acid                                  | 718        | 4-Chloro-3-nitrobenzenesulfonyl chloride, 98%  |
| 480        | 4-(4-Nitrophenylsulfonyl)aniline, 96%   | 790        | 4-Chloro-3-sulfamoylbenzoic acid, 98%  |
| 773        | 4-(Aminomethyl)benzenesulfonamide hydrochloride hydrate, 99%                              | 507        | 4-Chloroaniline-3-sulfonic acid  |
| 564        | 4-(Chloromercuri)benzenesulfonic acid, sodium salt  | 341        | 4-Chlorobenzenemethanethiol, 98%   |
| 708        | 4-(Chlorosulfonyl)benzoic acid, 96%   | 499        | 4-Chlorobenzeneseleninic acid, 99%   |
| 707        | 4-(Chlorosulfonyl)phenyl isocyanate, 97%  | 500        | 4-Chlorobenzeneseleninic anhydride, 97%  |
| 555        | 4-(Dimethylamino)benzenesulfonic acid, sodium salt, tech., 90+%                           | 766        | 4-Chlorobenzenesulfonamide, 98%  |
| 710        | 4-(Fluorosulfonyl)benzoic acid, 95%   | 498        | 4-Chlorobenzenesulfonic acid, tech., 90%   |
| 711        | 4-(Fluorosulfonyl)benzoyl chloride, tech., 90%  | 700        | 4-Chlorobenzenesulfonyl chloride, 97%  |
| 383        | 4-(Methylmercapto)phenol, 98%   | 819        | 4-Chlorobenzenesulfonyl isocyanate, tech., 85%   |
| 452        | 4-(Methylsulfonyl)benzoic acid, 97%   | 340        | 4-Chlorobenzenethiol   |
| 449        | 4-(Methylsulfonyl)phenylhydrazine   | 450        | 4-Chlorophenyl 2-chloro-1,1,2-trifluoro-ethyl sulfone, 98%   |
| 384        | 4-(Methylthio)benzyl alcohol, 98%   | 468        | 4-Chlorophenyl phenyl sulfone, 97+%  |
| 94         | 4-(Methylthio)butanol, 97+%   | 471        | 4-Chlorophenyl sulfone, 98%  |
| 764        | 4-(p-Tolylsulfonyl)hexahydro-1,4-thiazepine, 98%  | 424        | 4-Chlorophenyl sulfoxide, 97%  |
| 704        | 4-(Trifluoromethoxy)benzenesulfonyl chloride, 98%   | 167        | 4-Chlorotetrahydro-3-thiophenamine 1,1-dioxide hydrochloride, 95%  |
| 713        | 4,4'-Biphenyldisulfonyl chloride, 97%   | 164        | 4-Chlorotetrahydrothiophene-3-ol-1,1-dioxide, 98%  |
| 472        | 4,4'-Bis((4-chlorophenyl)sulfonyl)-1,1'-biphenyl, 98%                                     | 497        | 4-Ethylbenzenesulfonic acid, tech., 95%  |
| 607        | 4,4'-Dianilino-1,1'-binaphthyl-5,5'-disulfonic acid, dipotassium salt                     | 482        | 4-Fluoro-3-nitrophenyl 3-nitrophenyl sulfone, 97%  |
| 767        | 4,4'-Dichlorodiphenyldisulfimide  | 483        | 4-Fluoro-3-nitrophenyl sulfone, 99%  |
| 579        | 4,4'-Diisothiocyano-2,2'-stilbenedisulfonic acid, disodium salt hydrate tech., approx 90% | 699        | 4-Fluorobenzenesulfonyl chloride, 98%  |
| 360        | 4,4'-Dimercaptooctafluorobiphenyl   | 339        | 4-Fluorobenzenethiol, 99%  |
| 794        | 4,4'-Oxydibenzenesulfonyl hydrazide, tech., 90%   | 467        | 4-Fluorophenyl phenyl sulfone  |
| 475        | 4,4'-Sulfonylbis(2,6-dibromophenol)   | 470        | 4-Fluorophenyl p-tolyl sulfone, 99%  |
| 474        | 4,4'-Sulfonylbis(2,6-dimethylphenol), 98%   | 469        | 4-Fluorophenyl sulfone, 99%  |
| 484        | 4,4'-Sulfonylbis(methyl benzoate), tech., 90%   | 732        | 4-Fluorosulfonyl-1-hydroxy-2-naphthoic acid, 99%   |
| 473        | 4,4'-Sulfonyldiphenol, 98%  | 712        | 4-Fluorosulfonylbenzenesulfonyl chloride   |
| 396        | 4,4'-Thiobisbenzenethiol, 98%   | 569        | 4-Formyl-1,3-benzenedisulfonic acid, disodium salt hydrate, 97%  |
| 395        | 4,4'-Thiodiphenol, 99%  | 448        | 4-Hexadecylsulfonylaniline, 98%  |
| 571        | 4,5-Dihydroxy-1,3-benzenedisulfonic acid, disodium salt monohydrate                       | 587        | 4-Hydroxy-1-naphthalenesulfonic acid, sodium salt hydrate, tech., approx 70%   |
| 599        | 4,5-Dihydroxynaphthalene-2,7-disulfonic acid, disodium salt dihydrate                     | 558        | 4-Hydroxy-3-nitrobenzenesulfonic acid, sodium salt, 90%  |
| 178        | 4,5-Dimethyl-2-oxo-1,3,2-dioxathiolane  | 533        | 4-Hydroxy-3-nitroso-1-naphthalene-sulfonic acid tetrahydrate, 98%  |
| 561        | 4-Acetylbenzenesulfonic acid, sodium salt, 98%  | 562        | 4-Hydroxy-alpha-sulfophenylacetic acid, sodium salt monohydrate, 99%   |
| 675        | 4-Acetylphenyl trifluoromethanesulfonate, 99%   | 552        | 4-Hydroxybenzenesulfonic acid, sodium salt dihydrate, 98%  |
| 590        | 4-Amino-1-naphthalenesulfonic acid, 97%   | 791        | 4-Hydroxymetanilamide, 95+%  |
| 591        | 4-Amino-1-naphthalenesulfonic acid, sodium salt hydrate                                   | 41         | 4-Mercapto-1-butanol, 95%  |
| 530        | 4-Amino-3-hydroxy-1-naphthalenesulfonic acid, 98+%, A.C.S. reagent                        | 344        | 4-Methoxy-alpha-toluenethiol, tech., 90%   |
| 531        | 4-Amino-5-hydroxy-1-naphthalenesulfonic acid, tech., 90%                                  | 703        | 4-Methoxybenzenesulfonyl chloride, 99%   |
| 604        | 4-Amino-5-hydroxy-2,7-naphthalenedisulfonic acid, monosodium salt hydrate, 96%            | 768        | 4-Methoxybenzenesulfonyl hydrazide, 98%  |
| 802        | 4-Aminodibenzenesulfonamide, 99%  | 343        | 4-Methoxybenzenethiol, 97%   |
| 477        | 4-Aminophenyl sulfone, 98%  | 509        | 4-Methoxymetanilic acid  |
| 811        | 4-Aminosulfonyl-1-hydroxy-2-naphthoic acid, 97%   | 717        | 4-Methoxymetanilyl fluoride, 97%   |
| 505        | 4-Aminotoluene-3-sulfonic acid, 99%   | 674        | 4-Methoxyphenyl trifluoromethanesulfonate, 98%   |
| 799        | 4-Bromobenzenesulfonamide   | 351        | 4-Methyl-1,2-benzenedithiol, tech., 90%  |
| 701        | 4-Bromobenzenesulfonyl chloride, 98%  | 338        | 4-Methylbenzenethiol, 98%  |
| 342        | 4-Bromobenzenethiol, 95%  | 455        | 4-Methylsulfonyl-3-nitrobenzoic acid, 99%  |
| 394        | 4-Bromophenyl disulfide   | 775        | 4-Nitrobenzenesulfonamide, 97%   |
| 382        | 4-Bromothioanisole, 97%   | 706        | 4-Nitrobenzenesulfonyl chloride, 97%   |
|            |   | 822        | 4-Nitrocatechol sulfate, dipotassium salt hydrate, 97%   |

| <u>No.</u> | <u>Compound Description</u>  | <u>No.</u> | <u>Compound Description</u>                                     |
|------------|--|------------|---|
| 676        | 4-Nitrophenyl trifluoromethanesulfonate, 99%   | 502        | Aniline-2-sulfonic acid, 95%                                    |
| 548        | 4-Octylbenzenesulfonic acid, sodium salt, 97%  | 612        | Anthraquinone-1,5-disulfonic acid, disodium salt hydrate, 95%   |
| 551        | 4-Styrenesulfonic acid, sodium salt hydrate  | 613        | Anthraquinone-2,6-disulfonic acid, disodium salt                |
| 536        | 4-Sulfo-1,8-naphthalic anhydride, potassium salt, tech., 90%   | 609        | Anthraquinone-2-sulfonic acid, sodium salt monohydrate, 97%     |
| 566        | 4-Sulfobenzoic acid, potassium salt, 95%   | 581        | Barium pentafluorobenzenesulfonate                              |
| 563        | 4-Sulfophenyl isothiocyanate, sodium salt monohydrate, tech.   | 541        | Barium p-toluenesulfonate, tech., approx. 90%                   |
| 577        | 4-Sulfophthalic acid, triammonium salt   | 195        | Barium trifluoromethanesulfonate, 98%                           |
| 576        | 4-Sulfophthalic acid, trisodium salt dihydrate, 97%  | 494        | Benzeneseleninic acid, 99%                                      |
| 524        | 5-(2-Aminoethylamino)-1-naphthalene- sulfonic acid, 99%  | 495        | Benzeneseleninic anhydride, 70%                                 |
| 517        | 5-(4,5-Dihydro-5-oxo-3-((1-oxooctadecyl)- amino)-1H-pyrazol-1-yl)-2-phenoxybenzene- sulfonic acid, 97% | 319        | Benzeneselenol, tech., 90%                                      |
| 521        | 5-Amino-2-naphthalenesulfonic acid, 97%  | 490        | Benzenesulfonic acid, sodium salt, 98%                          |
| 722        | 5-Chlorosulfonyl-ortho-anisic acid, 97%  | 735        | Benzenesulfonamide, 98+%  |
| 523        | 5-Dimethylamino-1-naphthalenesulfonic acid hydrate, 99+%   | 537        | Benzenesulfonic acid, sodium salt, 98%                          |
| 721        | 5-Fluorosulfonyl-o-anisic acid, 99%  | 493        | Benzenesulfonic acid, tech., 90%                                |
| 806        | 5-Hydroxy-1-naphthalenesulfonamide, 98%  | 680        | Benzenesulfonyl chloride, 99%                                   |
| 550        | 5-Indansulfonic acid, ammonium salt  | 679        | Benzenesulfonyl fluoride, 99%                                   |
| 582        | 5-Isatinsulfonic acid, sodium salt hydrate, 97%  | 736        | Benzenesulfonyl hydrazide, 98%                                  |
| 510        | 5-Nitro-o-toluenesulfonic acid, tech., moist, 70%  | 816        | Benzenesulfonyl isocyanate, 95%                                 |
| 575        | 5-Sulfoisophthalic acid, monosodium salt, 95%  | 318        | Benzenethiol, 99+%  |
| 513        | 5-Sulfosalicylic acid dihydrate, 99+%, A.C.S. reagent  | 538        | Benzenethionosulfonic acid, sodium salt, tech., 85%             |
| 593        | 6-(p-Toluidino)-2-naphthalenesulfonic acid, potassium salt, 98%  | 373        | Benzyl 2,2,2-trifluoroethyl sulfide, 97%                        |
| 413        | 6,11-Dihydrodibenzo(b,e)thiepin-11-ol, 98%   | 372        | Benzyl chloromethyl sulfide, 96%                                |
| 589        | 6,7-Dihydroxy-2-naphthalenesulfonic acid, sodium salt hemihydrate, 97%                                 | 406        | Benzyl disulfide, 98%   |
| 528        | 6-Amino-4-hydroxy-2-naphthalenesulfonic acid monohydrate, 90%  | 320        | Benzyl mercaptan, 99%   |
| 532        | 6-Amino-7-hydroxy-2-naphthalenesulfonic acid   | 366        | Benzyl methyl disulfide, 95+%                                   |
| 529        | 6-Dimethylamino-4-hydroxy-2-naphthalene- sulfonic acid   | 365        | Benzyl methyl sulfide, 98%                                      |
| 588        | 6-Hydroxy-2-naphthalenesulfonic acid, sodium salt  | 404        | Benzyl phenyl sulfide, 99%                                      |
| 42         | 6-Mercapto-1-hexanol, 97%  | 405        | Benzyl sulfide, 98%   |
| 669        | 6-Nitronaphth(1,8-cd)-1,2-oxathiole 2,2-dioxide  | 460        | Benzyl sulfone, 99%   |
| 601        | 7-Amino-1,3-naphthalenedisulfonic acid, monopotassium salt hydrate, tech., 85%                         | 422        | Benzyl sulfoxide, 98%   |
| 525        | 8-(2-Aminoethylamino)-1-naphthalene- sulfonic acid, 99%  | 228        | Bes, 99+%   |
| 522        | 8-Amino-2-naphthalenesulfonic acid, 96%  | 393        | Bis(4-chlorophenyl) diselenide, 98%                             |
| 592        | 8-Anilino-1-naphthalenesulfonic acid, ammonium salt hydrate, 97%                                       | 56         | Bis(methylthio)methane, 99%                                     |
| 586        | 8-Chloro-1-naphthalenesulfonic acid, sodium salt, 98%  | 466        | Bis(phenylsulfonyl)methane, 96%                                 |
| 617        | 8-Hydroxy-1,3,6-pyrenetrisulfonic acid, trisodium salt   | 408        | Bis(phenylthio)methane, 97%                                     |
| 608        | 9,10-Dimethoxy-2-anthracenesulfonic acid, sodium salt monohydrate, 97%                                 | 434        | Bromomethyl phenyl sulfone, 98%                                 |
| 487        | 9-Oxo-9H-thioxanthene-3-carbonitrile 10,10-dioxide, 99%  | 170        | Butadiene sulfone, 98%  |
| 486        | 9-Oxo-9H-thioxanthene-3-carboxamide 10,10-dioxide, 97%   | 66         | Butyl disulfide, 98%  |
| 254        | Aces, 99%  | 65         | Butyl sulfide, 96%  |
| 614        | Alizarin Blue Black B  | 153        | Butyl sulfone, 99%  |
| 610        | Alizarin Red S monohydrate, certified  | 143        | Butyl sulfoxide, 96%  |
| 82         | Allyl disulfide, 80%   | 313        | Butylsulfamic acid, 98%   |
| 23         | Allyl mercaptan, tech., 80%  | 226        | Caps, 99%   |
| 80         | Allyl methyl sulfide, 98%  | 621        | Catechol bis(trifluoromethanesulfonate), 98%                    |
| 428        | Allyl phenyl sulfone, 98%  | 225        | Ches, 99%   |
| 81         | Allyl sulfide, 97%   | 749        | Chloramine-b hydrate, 98%                                       |
| 385        | alpha,alpha'-Bis(methylthio)-p-xylene  | 750        | Chloramine-t hydrate, 98%                                       |
| 666        | alpha-Chloro-alpha-hydroxy-o-toluene- sulfonic acid gamma-sultone, 99%                                 | 378        | Chloromethyl 4-chlorophenyl sulfide, 97%                        |
| 665        | alpha-Hydroxy-o-toluenesulfonic acid gamma-sultone   | 84         | Chloromethyl methyl sulfide, 95%                                |
| 678        | alpha-Toluenesulfonyl chloride, 98%  | 370        | Chloromethyl phenyl sulfide, 97%                                |
| 677        | alpha-Toluenesulfonyl fluoride, 99%  | 433        | Chloromethyl phenyl sulfone, 99%                                |
| 546        | Aminomalonalonitrile p-toluenesulfonate, 98%   | 440        | Chloromethyl p-tolyl sulfone, 99%                               |
| 216        | Aminomethanesulfonic acid, 97%   | 85         | Chloromethyl trifluoromethyl sulfide, tech., 90%                |
| 203        | Ammonium trifluoromethanesulfonate, 99%  | 317        | Chlorosulfonyl isocyanate, 98%                                  |
|            |  | 288        | Chlorosulfonylacetyl chloride, 95%                              |
|            |  | 429        | cis-1,2-Bis(phenylsulfonyl)ethylene, 98+%                       |
|            |  | 197        | Copper(I) trifluoromethanesulfonate benzene complex, tech., 90% |
|            |  | 198        | Copper(II) trifluoromethanesulfonate, 98%                       |

| <u>No.</u> | <u>Compound Description</u>  | <u>No.</u> | <u>Compound Description</u>   |
|------------|--|------------|---|
| 639        | Cyanomethyl benzenesulfonate, tech., 80%                                 | 663        | Ethyl O-mesitylsulfonylacetohydroxamate, 98%                        |
| 116        | Cyclohexene sulfide, tech., 85%  | 367        | Ethyl phenyl sulfide, 97%   |
| 25         | Cyclohexyl mercaptan, 97%  | 625        | Ethyl p-toluenesulfonate, 98%                                       |
| 314        | Cyclohexylsulfamic acid, sodium salt, 99%                                | 59         | Ethyl sulfide, 98%  |
| 24         | Cyclopentyl mercaptan, 98%   | 151        | Ethyl sulfone, 97%  |
| 369        | Cyclopropyl phenyl sulfide, 99%  | 268        | Ethyl trifluoromethanesulfonate, 99%                                |
| 403        | Cyclopropyldiphenylsulfonium tetrafluoro- borate, 95%                    | 79         | Ethyl vinyl sulfide, 98%  |
| 731        | Dansyl chloride, 98%   | 155        | Ethyl vinyl sulfone, 98%  |
| 807        | Dansylamide, 99%   | 642        | Ethylene glycol di-p-tosylate, 97%                                  |
| 808        | Dansylhydrazine, 98%   | 110        | Ethylene sulfide, 98%   |
| 221        | Decyldimethyl(3-sulfopropyl)ammonium hydroxide, inner salt, 97%          | 534        | Flavianic acid hydrate, 97%   |
| 103        | D-Glucose diethyl mercaptal  | 208        | Formaldehyde sodium bisulfite addition compound, 95%                |
| 643        | Di(ethylene glycol) di-p-tosylate, 98%                                   | 174        | Formamidinesulfinic acid, 99%                                       |
| 761        | Diazald, 99%   | 214        | Glutaraldehyde sodium bisulfite addition compound                   |
| 407        | Dibenzyl diselenide, 95%   | 177        | Glycol sulfite, 98%   |
| 83         | Dicyclohexyl disulfide, 96%  | 213        | Glyoxal sodium bisulfite addition compound hydrate                  |
| 308        | Diethyl sulfate, 98%   | 231        | Hepes, 99%  |
| 176        | Diethyl sulfite, 98%   | 232        | Hepes, sodium salt, 99%   |
| 310        | Dimethyl (4R,5R)-1,3,2-dioxathiolane-4,5- dicarboxylate 2,2-dioxide, 97% | 224        | Hexadecyldimethyl(3-sulfopropyl)ammonium hydroxide, inner salt, 97% |
| 311        | Dimethyl (4S,5S)-1,3,2-dioxathiolane-4,5- dicarboxylate 2,2-dioxide, 97% | 92         | Hexyl 2-hydroxyethyl sulfide  |
| 578        | Dimethyl 5-sulfoisophthalate, sodium salt, 98%                           | 67         | Hexyl sulfide, 95%  |
| 55         | Dimethyl diselenide, 98%   | 1          | Hydrogen sulfide, 99.5+%  |
| 307        | Dimethyl sulfate, 99+%   | 553        | Hydroquinonesulfonic acid, potassium salt                           |
| 175        | Dimethyl sulfite, 99.5+%   | 658        | Hydroxy(tosyloxy)iodobenzene, 96%                                   |
| 54         | Dimethyl trisulfide, 98+%  | 210        | Isethionic acid, ammonium salt, 99%                                 |
| 223        | Dimethyl(3-sulfopropyl)tetradecylammonium hydroxide, inner salt, 97%     | 209        | Isethionic acid, sodium salt, 98%                                   |
| 107        | Dimethyl(methylthio)sulfonium tetra- fluoroborate, 97%                   | 72         | Isopropyl disulfide, 96%  |
| 220        | Dimethyloctyl(3-sulfopropyl)ammonium hydroxide, inner salt, 97%          | 71         | Isopropyl sulfide, 99%  |
| 315        | Dimethylsulfamoyl chloride, 99%  | 276        | Isopropylsulfonyl chloride, 97%                                     |
| 253        | Dioctyl sulfosuccinate, sodium salt, 98%                                 | 765        | L-1-p-Tosylamino-2-phenylethyl chloro- methyl ketone, 99+%          |
| 390        | Diphenyl diselenide, 98%   | 290        | L-2-Amino-4-sulfamoylbutyric acid, 98%                              |
| 391        | Diphenyl ditelluride, 98%  | 782        | L-2-Benzyloxycarbonylamino-4- sulfamoylbutyric acid, 95%            |
| 49         | Dithioerythritol, 99+%   | 201        | Lanthanum trifluoromethanesulfonate hydrate                         |
| 48         | Dithiothreitol   | 248        | L-Cysteic acid monohydrate, 98%                                     |
| 249        | DL-cysteic acid  | 147        | L-Methionine sulfoximine, 99%                                       |
| 250        | DL-homocysteic acid, 97%   | 633        | L-Threitol 1,4-di-p-tosylate, 96%                                   |
| 146        | DL-methionine sulfoxide, 98%   | 821        | Martin sulfurane dehydrating agent                                  |
| 302        | Dodecyl sulfate, sodium salt, 98%  | 237        | Mes, 98%  |
| 70         | Dodecyl sulfide, 93%   | 503        | Metanilic acid, 97%   |
| 549        | Dodecylbenzenesulfonic acid, sodium salt                                 | 180        | Methanesulfonic acid, silver salt, 98%                              |
| 222        | Dodecyldimethyl(3-sulfopropyl)ammonium hydroxide, inner salt, 98%        | 274        | Methanesulfonyl chloride, 98%                                       |
| 632        | D-Threitol 1,4-di-p-tosylate, 97%  | 2          | Methanethiol, 99.5+%  |
| 356        | Durene-alpha-1,alpha-2-dithiol, 97%                                      | 374        | Methoxymethyl phenyl sulfide, 97%                                   |
| 233        | Epps, 99%  | 426        | Methyl (phenylsulfinyl)acetate, 98%                                 |
| 181        | Ethanesulfonic acid, 95%   | 263        | Methyl 1-adamantanesulfonate, 97%                                   |
| 182        | Ethanesulfonic acid, sodium salt, 98%                                    | 740        | Methyl 2-(aminosulfonyl)benzoate, 98%                               |
| 275        | Ethanesulfonyl chloride, 99%   | 686        | Methyl 2-(chlorosulfonyl)benzoate, tech., 90%                       |
| 3          | Ethanethiol, 97%   | 287        | Methyl 2,2-difluoro-2-(fluorosulfonyl)- acetate                     |
| 264        | Ethyl 2-(trifluoromethylsulfonyloxy)-1- cyclopentene-1- carboxylate, 97% | 379        | Methyl 2,4,5-trichlorophenyl sulfide, 97%                           |
| 90         | Ethyl 2-hydroxyethyl sulfide, 97%  | 640        | Methyl 4-nitrobenzenesulfonate, 99%                                 |
| 60         | Ethyl disulfide, 99%   | 492        | Methyl benzenesulfinate, 98%  |
| 265        | Ethyl ethanethiosulfonic   | 53         | Methyl disulfide, 98%   |
| 258        | Ethyl methanesulfonate, 99%  | 256        | Methyl methanesulfonate, 99%  |
| 58         | Ethyl methyl sulfide, 99%  | 257        | Methyl methanethiolsulfonate, 97%                                   |
|            |  | 145        | Methyl methylsulfinylmethyl sulfide, 99%                            |
|            |  | 364        | Methyl phenyl disulfide   |
|            |  | 416        | Methyl phenyl sulfoxide, 97+%                                       |
|            |  | 446        | Methyl phenylsulfonylacetate, 97%                                   |
|            |  | 61         | Methyl propyl disulfide, 92+%                                       |

| <u>No.</u> | <u>Compound Description</u>   | <u>No.</u> | <u>Compound Description</u>                               |
|------------|---|------------|---|
| 624        | Methyl p-toluenesulfonate, 98%  | 496        | Para-toluenesulfonic acid monohydrate, 98.5%              |
| 300        | Methyl sulfate, sodium salt   | 728        | Pentafluorobenzenesulfonyl chloride, 99%                  |
| 52         | Methyl sulfide, 98%   | 359        | Pentafluorobenzenethiol, 97%                              |
| 150        | Methyl sulfone, 98%   | 399        | Pentafluorophenyl sulfide, 98%                            |
| 142        | Methyl sulfoxide, 99.9%, A.C.S. spectrophotometric grade                | 115        | Pentamethylene sulfide, 99%                               |
| 266        | Methyl trifluoromethanesulfonate, 99+%                                  | 88         | Perchloromethyl mercaptan, 97%                            |
| 154        | Methyl vinyl sulfone, 98%   | 283        | Perfluoro-1-octanesulfonyl fluoride, 98%                  |
| 432        | Methyl-13C phenyl sulfone, 99 atom % 13C                                | 389        | Phenyl disulfide, 99%                                     |
| 267        | Methyl-13C trifluoromethanesulfonate, 98 atom % 13C                     | 464        | Phenyl p-tolyl sulfone, 98%                               |
| 108        | Methylbis(methylthio)sulfonium hexachloro-antimonate                    | 388        | Phenyl sulfide, 98%                                       |
| 312        | Methylsulfamic acid, 98%  | 459        | Phenyl sulfone, 97%                                       |
| 442        | Methylthiomethyl p-tolyl sulfone, 98%                                   | 419        | Phenyl sulfoxide, 96%                                     |
| 238        | Mops, 99%   | 461        | Phenyl trans-styryl sulfone, 99%                          |
| 239        | Mops, sodium salt monohydrate, 98%                                      | 435        | Phenyl tribromomethyl sulfone, 98%                        |
| 240        | Mopso, 99%  | 623        | Phenyl trifluoromethanesulfonate, 98%                     |
| 798        | N-(2,6-Diethylphenyl)-1,1,1-trifluoro- methane sulfonamide, 99%         | 368        | Phenyl vinyl sulfide, 97%                                 |
| 786        | N-(2-Nitrophenylthio)saccharin, 95%                                     | 427        | Phenyl vinyl sulfone, 99%                                 |
| 753        | N-(4-Tert-butylphenylsulfonyl)-L-proline, 98%                           | 420        | Phenyl vinyl sulfoxide, 97%                               |
| 805        | N-(6-Aminoethyl)-5-chloro-1-naphthalene- sulfonamide hydrochloride, 98% | 622        | Phenyl vinylsulfonate, 97%                                |
| 820        | N-(Bis(methylthio)methylene)-p-toluene- sulfonamide, 98%                | 362        | Phenylselenenyl bromide, 98%                              |
| 804        | N-(Cyanomethyl)-2-naphthalenesulfonamide, sodium salt                   | 361        | Phenylselenenyl chloride, 98%                             |
| 660        | N-(Methylsulfonyloxy)phthalimide  | 516        | Picrylsulfonic acid hydrate, 97%                          |
| 756        | N-(Tert-butoxycarbonyl)-p-toluene- sulfonamide, 99%                     | 580        | Picrylsulfonic acid, sodium salt                          |
| 316        | N,N,N',N'-Tetraethylsulfamide, 99%                                      | 234        | Pipes, 98%  |
| 227        | N,N-Bis(2-chloroethyl)taurine, 95%                                      | 235        | Pipes, disodium salt monohydrate, 98%                     |
| 763        | N,N-Bis(2-hydroxyethyl)-p-toluene- sulfonamide, 97%                     | 702        | Pipsyl chloride, 95%                                      |
| 441        | N,N-Bis(p-tolylsulfonylmethyl)ethylamine, 96%                           | 236        | Popso, 97%  |
| 772        | N,N'-Diacetylsulfanilamide, 99%   | 63         | Propyl disulfide, 98%                                     |
| 748        | N,N'-Di-p-tosyl-1,3-diaminopropane, 97%                                 | 259        | Propyl methanesulfonate, 99%                              |
| 747        | N,N'-Di-p-tosylethylenediamine, 97%                                     | 62         | Propyl sulfide, 97%                                       |
| 771        | N1-Acetylsulfanilamide, sodium salt hydrate, 99%                        | 152        | Propyl sulfone, 99%                                       |
| 709        | N-Acetylsulfanilyl chloride, 98%  | 111        | Propylene sulfide, 96+%                                   |
| 780        | N-alpha-p-Tosyl-L-arginine methyl ester hydrochloride, 99%              | 491        | p-Toluenesulfonic acid, sodium salt hydrate, 97%          |
| 762        | N-Benzyl-N-nitroso-p-toluenesulfonamide, 97%                            | 746        | p-Toluenesulfonamide, 99+%                                |
| 781        | N-Benzoyloxycarbonyl-3-sulfamoyl-L-alanine, 98%                         | 698        | p-Toluenesulfonyl chloride, 99+%                          |
| 64         | N-Butyl methyl sulfide, tech., 90+%                                     | 815        | p-Toluenesulfonyl cyanide, tech., approx. 95%             |
| 743        | N-Butyl-3-nitrobenzenesulfonamide, 98%                                  | 697        | p-Toluenesulfonyl fluoride, 98%                           |
| 69         | N-Decyl sulfide   | 818        | p-Toluenesulfonyl isocyanate, 96%                         |
| 752        | N-Ethyl-p-toluenesulfonamide, 98%                                       | 540        | p-Toluenethiosulfonic acid, potassium salt, 97%           |
| 745        | N-Fluorobenzenesulfonimide, 97%   | 392        | p-Tolyl disulfide, 98%                                    |
| 754        | N-Fluoro-N-methyl-p-toluenesulfonamide                                  | 465        | p-Tolyl sulfone, 99%                                      |
| 755        | N-Fluoro-N-propyl-p-toluenesulfonamide, tech., 80%                      | 423        | p-Tolyl sulfoxide, 97%                                    |
| 527        | N-Iodoacetyl-N'-(5-sulfo-1-naphthyl)ethyl-enediamine                    | 672        | p-Tolyl trifluoromethanesulfonate, 97%                    |
| 526        | N-Iodoacetyl-N'-(8-sulfo-1-naphthyl)ethyl-enediamine                    | 401        | p-Xylylenebis(tetrahydrothiophenium chloride), tech., 90% |
| 751        | N-Methyl-p-toluenesulfonamide, 98%                                      | 398        | Resorcinol sulfide, 98%                                   |
| 785        | N-Methylsaccharin, 99%  | 425        | Resorcinol sulfoxide, tech., 95%                          |
| 207        | Nonafluoro-1-butanefulfonic acid, potassium salt, 98%                   | 812        | S,S-Dimethyl-N-(p-tolylsulfonyl)- sulfoximine, 98%        |
| 734        | N-Phenyltrifluoromethanesulfonimide, 99%                                | 421        | S,S-Diphenylsulfilimine, 97%                              |
| 779        | N-p-Tosyl-L-phenylalanine, 97%  | 635        | S,S'-Ethylene p-toluenethiosulfonate, 99%                 |
| 757        | N-p-Tosyl-L-phenylalaninyl chloride, 99%                                | 783        | Saccharin, 98+%   |
| 733        | N-Thionylaniline, 98%   | 784        | Saccharin, sodium salt hydrate, 99+%                      |
| 611        | Nuclear Fast Red  | 74         | Sec-butyl disulfide, 99+%                                 |
| 659        | O-(p-Tosyl)isonitrosomalnonitrile, 98%                                  | 73         | Sec-butyl sulfide, 98%                                    |
| 304        | Octadecyl sulfate, sodium salt, tech., 93%                              | 662        | Se-phenyl p-tolueneselenosulfonate, 97%                   |
| 68         | Octyl sulfide, 96%  | 542        | Silver p-toluenesulfonate, 99+%                           |
| 737        | o-Toluenesulfonamide, 99%   | 199        | Silver trifluoromethanesulfonate, 99+%                    |
| 817        | o-Toluenesulfonyl isocyanate, 95%                                       | 565        | Sodium diphenylamine-4-sulfonate, A.C.S. reagent          |
| 758        | Para-toluenesulfonhydrazide, 97%  | 173        | Sodium methanesulfinate, tech., 85%                       |
|            |   | 179        | Sodium methanesulfonate, 98%                              |
|            |   | 539        | Sodium p-toluenesulfonate, 95%                            |

| <u>No.</u> | <u>Compound Description</u>  | <u>No.</u> | <u>Compound Description</u>  |
|------------|--|------------|--|
| 547        | Sodium xylenesulfonate   | 169        | Thiete-1,1-dioxide   |
| 661        | S-Phenyl benzenethiosulfonate, 99%   | 363        | Thioanisole, 99%   |
| 769        | Sulfanilamide, 99%   | 412        | Thiochroman-4-ol, 97%  |
| 501        | Sulfanilic acid, 99%, A.C.S. reagent   | 196        | Tin(II) trifluoromethanesulfonate, 97%   |
| 554        | Sulfanilic acid, sodium salt hydrate, 97%  | 451        | Tosylmethyl isocyanide   |
| 705        | Sulfanilyl fluoride  | 430        | trans-1,2-Bis(phenylsulfonyl)ethylene, 98%                                       |
| 247        | Sulfoacetic acid   | 119        | trans-1,2-Dithiane-4,5-diol, 98%   |
| 141        | Sulfur dioxide, 99.9+%   | 634        | trans-2-Hydroxycyclohexyl p-toluene- sulfonate, 98%                              |
| 230        | Taps, 99%  | 163        | trans-3,4-Dibromotetrahydrothiophene 1,1-dioxide, 97%                            |
| 217        | Taurine, 99%   | 162        | trans-3,4-Dichlorotetrahydrothiophene 1,1-dioxide, 99%                           |
| 77         | Tert-butyl disulfide, 97%  | 681        | trans-beta-Styrenesulfonyl chloride, 97%   |
| 75         | Tert-butyl methyl sulfide, 97%   | 644        | Tri(ethylene glycol) di-p-tosylate, 98%  |
| 664        | Tert-butyl N-(mesitylenesulfonyloxy)- carbamate, 98+%                              | 280        | Trichloromethanesulfonyl chloride, 97%   |
| 76         | Tert-butyl sulfide, 98%  | 272        | Trifluoroacetic acid, anhydride with trifluoro- methanesulfonic acid, tech., 90% |
| 22         | Tert-dodecanethiol, mixture of isomers   | 273        | Trifluoromethanesulfonic anhydride   |
| 229        | Tes, 99%   | 279        | Trifluoromethanesulfonyl chloride, 99+%  |
| 630        | Tetra(ethylene glycol) di-p-tosylate, 97%  | 437        | Trimethyl 3-(phenylsulfonyl)- orthopropionate, 97%                               |
| 670        | Tetrabromo-2-sulfobenzoic acid cyclic anhydride                                    | 112        | Trimethylene sulfide, 97%  |
| 545        | Tetrabutylammonium p-toluenesulfonate, 99%   | 105        | Trimethylsulfonium iodide, 98%   |
| 204        | Tetrabutylammonium trifluoromethane- sulfonate, 99%                                | 301        | Trimethylsulfonium methyl sulfate, 98%   |
| 12         | Tetradecanethiol   | 148        | Trimethylsulfoxonium chloride, 98%   |
| 303        | Tetradecyl sulfate, sodium salt, 95%   | 149        | Trimethylsulfoxonium iodide, 98%   |
| 544        | Tetraethylammonium p-toluenesulfonate  | 322        | Triphenylmethanethiol, 98%   |
| 168        | Tetrahydro-3,4-thiophenedisulfonic acid 1,1-dioxide, disodium salt trihydrate, 98% | 57         | Tris(methylthio)methane, 99%   |
| 114        | Tetrahydrothiophene, 99%   | 126        | Trithioacetone, 90+%   |
| 159        | Tetramethylene sulfone, 99%  | 156        | Vinyl sulfone, 97%   |
| 144        | Tetramethylene sulfoxide, 96%  | 202        | Ytterbium(III) trifluoromethanesulfonate hydrate                                 |
| 269        | Tetra-O-acetyl-2-O-trifluoromethane- sulfonyl-beta-D-mannopyranose, 99%            | 543        | Zinc p-toluenesulfonate hydrate  |
| 415        | Thianthrene, 97%   | 200        | Zinc trifluoromethanesulfonate, 98%  |