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- Chemoselective Synthesis** #413
- Chiral**
 - α,α-Difluoro-β-hydroxy Ester #420
 - α-Fluoroalkyl-β-sulfinylenamine #232
 - β-Amino Thiol #054
 - (6)-Gingerol #440
 - 1,3-Dipolar Cycloaddition #199
 - 1,4-Tetrafluorophenylene #337
 - 2,2'-Dihydroxy-1,1'-binaphthyl #498
 - 2-Fluoro-2-phenylacetic Acid #361, #498
 - Aldehyde #054
 - Amine #293
 - Analog #446
 - Anesthetic #446
 - Asymmetric #199, #436
 - Asymmetric Synthesis #280
 - Benzene Sector Rule #293
 - Benzylcarbinamine #293
 - Benzylcarbinol #293
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 - Building-Block #232
 - Capillary Gas-Chromatography #446
 - Carbonyl-Ene Aldol Reaction #436
 - Catalysis #436
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 - Circular Dichroism #293
 - Column-Suitability #446
 - Complex #436
 - Configuration #498
 - Conformation #361
 - Coordinated #165
 - Core #338
 - Derivatizing Agent #361, #498
 - Desflurane #446
 - Diastereoselective Bromodifluoromethylation #497
 - Diastereoselective Difluoromethylation #497
 - Diethylzinc #054
 - Difluorinated #440
 - Difluorocarbene #497
 - Enantioselective #420
 - Enantioselective Addition #054
 - Enflurane #446
 - Ester #361, #498
 - Experimental #361
 - Flexible #338
 - Fluoral #436
 - Fluorinated #232, #280, #337, #338
 - Fluorine-Substituted #361
 - Fluoroether #446
 - Fluorophenylisopropylphosphine #165
 - Fluorophosphine #165
 - Fluorosubstituted #199
 - Free #165
 - Imide Enolate #497
 - In-Core Structure #208
 - Insertion #497
 - Interaction #446
 - Isoflurane #446
 - Liquid Crystal #208, #337, #338
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 - Modified Cyclodextrin #446
 - Nitrile Oxide #199
 - Nitron #199
 - NMR #446
 - Optically Active #293
 - Optically Pure #232
 - Oxymethylene #338
 - Phosphorus #165
 - Polymerization #208
 - Quantum-Mechanical Study #361
 - Reactive #208
 - Reactivity #232
 - Reformatsky Reaction #420
 - Resolution #165
 - Secondary Alcohol #361
 - Solvation #361
 - Starting Block #462
 - Tetrafluorophenylene #208
 - Titanium #436
 - Transition-Temperature #337
 - Vinyl Sulfoxide #199
 - ¹⁹F NMR #498
 - *N*-Acylloxazolidinone #280
 - *trans*-4-Hydroxy-L-proline #462
- Chlorine-Fluorine Exchange** #190
- Chloro Benzodiazaphosphorinone** | 2-→ #381
- Chloro Hydridosilane** #379
- Chloro-α,β-Unsaturated Ester** | α-→ #317
- Chloroacetate** | 2-→ #110
- Chlorocarbon** #079
- Chlorodifluoroacetate** #428

Chlorofluorocarbon

- Catalyst #028
- Computational Investigation #534
- Decomposition #028
- Defluorination #023
- Interaction #534
- Perfluoroalkane #023
- RhCl(PPh₃)₃ #218
- Selective Hydrogenolysis #218
- Water #028
- Zeolite #028, #534

Chlorofluoromethane #260**Chlorofluorosilane #371****Chloromethyl Oxirane #495****Chlorotrifluoroethylene #118****Chromia #190****Chromium**

- Aluminum #410
- Ammonium Hydrogen Fluoride #410
- Core #172
- Distortion #172
- Fluoride #172
- Geometry #172
- Hydride #172
- Methanide #172
- Molybdenum #172
- Nickel #410
- Non-VSEPR Molecule #172
- Oxofluoride #172
- Vanadium #172
- Zircaloy #410

Chromium Triad #020**Chromophore #211****Chymotrypsin| α-> #038****CH₂F₂ #388****CH₃CHF₂ #261****CH₃CN···F₂ #088****Circular Dichroism**

- 2-Deuteriofluoroacetic Acid #151
- Amine #293
- Benzene Sector Rule #293
- Benzylcarbinamine #293
- Benzylcarbinol #293
- Chiral #293
- Enantiomer #151
- Optically Active #293

Cl Atom #194**Claisen Rearrangement**

- 2-Allyloxy-pyridine #476
- Allyl 2-Phenylsulfanyl-1-(trifluoromethyl) Vinyl Ether #073
- Catalysis #476
- Conjugated #073
- Dienyl Trifluoromethyl Ketone #073
- Inaccessible #476
- Palladium #476
- Stereocontrolled Synthesis #073
- *N*-Allyl-2(1*H*)-pyridone #476

Cleavage

- α-Fluoro Ester #287
- α-Fluoromethylene Phosphonate #287
- C-Cl Bond #140
- Competition #140
- Dichloromethylene Group #140
- Ethylacrylate #140
- Heterocyclic Sulfone #287

- Homonucleoside #287
- Methylmethacrylate #140
- Pi-Deficient #287
- Redox Telomerization #140
- Stannyl Radical #287
- Telogen #140
- Trichloromethyl Group #140

Cleavage| Reductive» #049**Clinical Use #127****Cluster #090****Clustering #350****Coal-Tar #325****Cobalt #374****Cobalt(II) Chloride #481****Cobalt(III) Trifluoride #321****Column #200****Column-Suitability #446****Comparative Study**

- 1,2-Diol #248
- Acylation #362
- Alcohol #248
- Dess-Martin #248
- Hypervalent #248
- Iodine #248
- Kinetics #248
- NCA #362
- Oxidant #248
- Oxidation #248
- Periodinane #248
- Photochemical Conjugation #362
- Protein #362
- Reactive Intermediate #248
- ¹⁸F Labeling #362
- ¹H-NMR #248
- *o*-Iodoxybenzoic Acid #248

Comparison #035**Competition #140****Complex**

- Alkyl Halide #392
- Analog #392
- Asymmetric #436
- Binaphthol #436
- Carbanion #402
- Carbene #392
- Carbonyl-Ene Aldol Reaction #436
- Catalysis #436
- Chiral #436
- CH₃CN···F₂ #088
- Cluster #090
- Cobalt #374
- Coupling #374
- Cyclopentadienyl Metal Teflate #300
- Derived #402
- Difluorostannylene #392
- Experimental #392
- Fluoral #436
- Gas-Phase #088
- Inert Matrix #392
- IR Spectroscopy #392
- Low-Temperature #392
- Methyl Chloride #392
- Molecular Fluorine #088
- Octahedral #090
- Organic Compound #088
- Pentafluorophenyl #374

- Pentamethylcyclopentadienyl #374
- Perfluorobenzyl #374
- Polymer #402
- Reassessment #402
- Rhodium #374
- Ring #374
- Rotational Spectrum #088
- Spectroscopy #090
- Theoretical #392
- Titanium #436
- Trisubstituted #402
- Complex Formation**
- Alkali Thiocyanate #401
- Aluminum Trichloride #401
- Ambient-Temperature #401
- Center #126
- Dioxide #126
- Donor #126
- FTIR #401
- Molten-Salt #401
- Nonsymmetrical #126
- Raman-Spectroscopy #401
- Solution #401
- Transisomer #126
- Vinilendiphosphine #126
- Complex-Ion #160**
- Complexation Site #227**
- Composite #189**
- Composition #329**
- Computational Chemistry #506**
- Computational Investigation #534**
- Computational Study #301**
- Computer-Aided #181**
- Concurrent #080**
- Condensation #444**
- Condition**
- 1,3-Dipolar Cycloaddition #155
- 1-Fluoroalkyl-2-hydro(60)fullerene #112
- Fluoroalkyl Halide #112
- Irradiation #155
- Microwave #155
- Nitrile #155
- Radical #112
- Solvent-Free #155
- Tributyltin Hydride #112
- Configuration #498**
- Conformation**
- 2-Fluoro-2-phenylacetic Acid #361
- Chiral #361
- Cyclotrapeptide #150
- Derivatizing Agent #361
- Ester #361
- Experimental #361
- Fluorine-Substituted #361
- Lithium Enolate #150
- Phosphazanium Enolate #150
- Quantum-Mechanical Study #361
- Secondary Alcohol #361
- Solvation #361
- C-Alkylation #150
- Conformational Stability #083**
- Conjugate**
- Anesthetic Agent #089
- Bile #089
- Degradate #089
- Electrophilic #250
- Fluoromethyl 2,2-Difluoro-1-(trifluoromethyl)vinyl Ether #089
- Fluoroolefin #250
- Glutathione #089
- Identification #089
- Iodofluorination #250
- Nephrotoxic #089
- Rat #089
- Sevoflurane #089
- Conjugated**
- Allyl 2-Phenylsulfanyl-1-(trifluoromethyl) Vinyl Ether #073
- Claisen Rearrangement #073
- Dienyl Trifluoromethyl Ketone #073
- Poly(Aryleneethynylene) #210
- Stereocontrolled Synthesis #073
- Control #449**
- Controlled Synthesis #345**
- Controller #283**
- Conversion**
- Acyl Halide #309
- Analog #460
- Hydroxymethylene Phosphonate #460
- Indole Compound #043
- Monofluoromethylene Phosphonate #460
- Perfluoroacyl Fluoride #309
- Phosphorylated #460
- Stereocontrolled Synthesis #460
- Tyrosine #460
- Unsaturated Sulfinamide #043
- *N*-Aryl Alk-1-enesulfonamide #043
- Coordinated #165**
- Coordination #108**
- Coordination Number #532**
- Copolymer**
- Controlled Synthesis #345
- Cyclotrisiloxane #345
- Enriched #114
- Epoxide #114
- Fluorinated #113
- Light-Emitting-Diode #113
- Organosulfur Group #345
- Photopolymerized #114
- Poly(*p*-phenylenevinylene) #113
- Polymerization #345
- Siloxane #345
- Sulfonyl Fluoride Group #114
- Surface #114
- Thin-Film #114
- Copolymerization**
- 3,4-Epoxyhexylmethylalkyl Ether #142
- Acrylic Monomer #341
- Allyl Ether #142
- Electron Acceptor Group #142
- Fluorinated #341
- Maleimide #142
- Monomer #142
- Morpholinoethyl Methacrylate #341
- Terminal Epoxy Group #142
- Copper #160**
- Copper(II) Complex**
- bis-Pyrazolyl-borate Ligand #161
- Fluorinated #161
- Inverse Gas-Chromatography #201
- Parameter #201
- Polarity #201

- Potassium Complex #161
- Pyridinecarboxamide #201
- Solubility #201
- Zinc Complex #161
- Core**
- Chiral #338
- Chromium #172
- Distortion #172
- Flexible #338
- Fluoride #172
- Fluorinated #338
- Geometry #172
- Hydride #172
- Liquid Crystal #338
- Mesomorphic Property #338
- Methanide #172
- Molybdenum #172
- Non-VSEPR Molecule #172
- Oxofluoride #172
- Oxymethylene #338
- Vanadium #172
- Correlation #350**
- Correlation Analysis #198**
- Coupling #374**
- Coupling Agent #331**
- Coupling Reaction #475**
- CO₂-Soluble #157**
- Cross-Coupling #231**
- Crystal**
- Acyclic Sulfur-Nitrogen Compound #170
- bis-Trifluoromethyl-sulfonyl-amine #170
- Calorimetry #258
- Magnesium Hexaquo bis((Trifluoromethyl)sulfonyl)amide Dihydrate #170
- Molecular Structure #170
- Phase Transition #258
- SeF₆ #258
- WF₆ #258
- Crystal Growth #512**
- Crystal Structure**
- μ_2 -Hydridododecacarbonyltriosmium Dioxooctafluoro- μ_2 -fluoroditungsten #255
- (4+2)-Cycloaddition #033
- 16-Ring #213
- Aluminum #121
- Amine #516
- Analysis #033
- Antifungal Activity #033
- Antimony(III) #525
- C-H Donor #169
- Cesium Fluorosulfate #175
- Cesium Hydrogen bis(Fluorosulfate) #175
- Cesium tetrakis(Fluorosulfato)aurate(III) #175
- CF₃TeI #515
- CF₃TeTeCF₃ #515
- Channel #213
- Crystal Growth #512
- Cs(Au(SO₃F)₄) #175
- Cs(H(SO₃F)₂) #175
- CsSO₃F #175
- Cycloaddition #299
- ESR #299
- Fluorinated #213
- Fluoroaluminophosphate #121
- Fluorosulfonyl-fluoroacetic Acid #169
- Four-Center #169
- FTIR #522
- F₅SCNSnSAsF₆ #299
- Gallium #213
- Gallium Phosphate #213
- Hydrogen-Bond System #169
- Iodine #512
- Iodothiolate #525
- Molecular Structure #175, #306
- Neutral #525
- N₂C₄H₁₄ #121
- Open Framework #121
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- Ordered #516
- Oxonium Undecafluorodiantimonate #175
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- Polysulfonyl #516
- SF₃(CN) #299
- Site #516
- SnSAsF₆ #299
- Spectroscopic Characterization #528
- Spiro(1,3-benzoxathiole-2,1'-cyclohex-2'-en)-4'-one 3,3-Dioxide #033
- Sulfogriseofulvin #033
- Superacid Anion #175
- Te₂O₃F₂ #277
- Thiolate #525
- Trifluoromethylazosulfon-*N,N*-dimethylamide #528
- Trioxide #512
- Triphenylcarbenium di(Fluorosulfonyl)amide #516
- Triphenylphosphonium di(Fluorosulfonyl)amide #516
- tris-2,6-Difluorophenyl-bismuth #523
- tris-Fluorophenyl-antimony #523
- tris-Fluorophenyl-bismuth Compound #523
- ULM-16 #213
- Crystalline #285**
- Cs(Au(SO₃F)₄) #175**
- Cs(H(SO₃F)₂) #175**
- CsCl-KCl-NaCl-NaF-K₂TiF₆ Melt #399**
- CsSO₃F #175**
- Cs₂(PtF₆) | β - α #514**
- CuCl #475**
- CuCl₂(CuI)/KF Reagent #371**
- Cyano- α -Isocyanoalkanoic Acid | α - β #417**
- Cyanohydrin #496**
- Cyclic 1,3-Diketone #315**
- Cyclic Ether**
- Acyclic Ether #177
- Alcohol #177
- C-H Bond #177
- Fluorinated #168
- Fluoroalkene #177
- Insertion #177
- Polyfluorinated #177
- Side Chain #168
- Sulfane #177
- Cyclic Hydrocarbon #266**
- Cyclic Perfluoroamine #189**
- Cyclic-Ketone | α,β -Unsaturated α #084**
- Cyclitol #424**
- Cyclization**
- 2-Perfluoroalkyl-benzimidazole #233
- 2-Perfluoroaryl-benzimidazole #233
- Aryl Imidamide #233
- H-Transfer Agent #235

- Intramolecular #233
- Oxidative #233
- Perfluoro-4-oxa-5-hexenyl Radical #235
- Perfluoro-*n*-alkenyl Radical #235
- Perfluoroalkyl Imidamide #233
- Rate #235
- Tributylgermanium Hydride #235
- Cycloaddition**
- 1,1,1,2,4,4,4-Heptafluorobut-2-ene #310
- Crystal Structure #299
- ESR #299
- F₅SCNSnSAsF₆ #299
- Heterocyclic Compound #310
- Hexafluorobut-2-yne #310
- Polyhalogenated #310
- SF₅(CN) #299
- SnSAsF₆ #299
- Trifluoromethylalkene #435
- Cycloaddition** | (4+2)-> #033
- Cycloaddition** | 1,3-Dipolar>
- 2-Phenylthio-3,3,3-trifluoropropene #452
- Asymmetric #199
- Chiral #199
- Condition #155
- Crisscross Cycloaddition #342
- Fluorosubstituted #199
- Irradiation #155
- Microwave #155
- Nitrile #155
- Nitrile Oxide #199
- Nitron #199
- Polymer #342
- Reactivity #452
- Solvent-Free #155
- Sulfone #452
- Sulfoxide #452
- Vinyl Sulfoxide #199
- Cycloaddition** | Crisscross> #342
- Cycloadduct** #541
- Cycloalkenylxenon(II) Salt** #529
- Cyclobutane Derivative** #289
- Cyclodextrin** | Modified> #446
- Cyclodigermazane** #377
- Cyclohexadienone** | 2,4-> #537
- Cyclohexane** #349
- Cyclohexyl** #486
- Cyclopentadienyl Ligand** #369
- Cyclopentadienyl Metal Teflate** #300
- Cyclopentadienyl(Halogeno)Metal(VI) Complex** #020
- Cyclotetrapeptide** #150
- Cyclotrisiloxane** #345
- Cyclotrimeratryrene** #046
- Cytokinin Activity** #186
- Cytotoxic Activity** #030
- C₂F₅I** #179
- C₆₀** #129
- C₇₀** #292
- D-1 Receptor** #363
- Dark Reaction** #179
- DAST**
- 3-Aryl-2-hydroxypropanoic Ester #320
- Anomalous Fluorination #320
- Diethylaminosulfur Trifluoride #320, #404
- Methyl 5-*O*-Benzyl-β-D-arabino-furanoside #404
- Methyl 5-*O*-Benzyl-β-xylo-furanoside #404
- DAST-Free Route** #076
- Decomposition**
- α-Catalytic Alumina #505
- γ-Catalytic Alumina #505
- 2,3,4,5,6-Pentafluoro-6-chloro-2,4-cyclohexan-1-one #541
- Alkali #541
- Alkane #541
- Catalyst #028
- Chlorofluorocarbon #028
- Cycloadduct #541
- Degradation #115
- End-Group #115
- Main Chain #115
- Perfluoropolyalkylether #505
- Poly(perfluorinated Ethers) #115
- Product #115
- Water #028
- Zeolite #028
- Decylammonium Chloride** #206
- Decylammonium Chloride-Water System** #120
- Defluoridation** #400
- Defluorination** #023
- Defluorination** | Photoinduced> #288
- Degradate** #089
- Degradation**
- Decomposition #115
- End-Group #115
- Fluid #507
- Main Chain #115
- Poly(perfluorinated Ethers) #115
- Product #115, #507
- Soluble #507
- Steel #507
- Surface-Film #507
- Dehydration** #461
- Dehydrobenzene** #537
- Demethylation/N-Alkylation** | *N*-> #517
- Density** #036
- Density-Functional**
- Aryl Radical #292
- C-H Bond #224
- Calculation #174, #292
- C₇₀ #292
- Dissociation Energy #224
- ESR #292
- Fluoroalkyl Radical #292
- Fullerene #292
- Osmium(VIII) Oxofluoro Cation #174
- Perfluoro *n*-Alkane #193
- Potential #193
- Raman-Spectroscopy #174
- Regioisomeric Adduct #292
- Theory #174
- Toluene #224
- Torsional #193
- X-Ray Crystal Structure #174
- ¹⁹F-NMR #174
- Deoxynucleoside-3'-phosphodiester** | 2'-> #364
- Derivatization** #223
- Derivatizing Agent**
- 2,2'-Dihydroxy-1,1'-binaphthyl #498
- 2-Fluoro-2-phenylacetic Acid #361, #498
- Chiral #361, #498
- Configuration #498
- Conformation #361

- Ester #361, #498
- Experimental #361
- Fluorine-Substituted #361
- Quantum-Mechanical Study #361
- Secondary Alcohol #361
- Solvation #361
- ¹⁹F NMR #498
- Derived**
 - 1H-Benzimidazolium Salt #207
 - Anhydrobase #207
 - Benzothiazolium Salt #207
 - Carbanion #402
 - Complex #402
 - Heterocyclic Compound #207
 - Polymer #402
 - Pyrylium Salt #207
 - Reassessment #402
 - Ring Transformation #207
 - Thiopyrylium Salt #207
 - Trisubstituted #402
- Desflurane #446**
- Design**
 - Analysis #025
 - Azide-Based #426
 - Chelating Agent #157
 - Computational Neural Network #025
 - CO₂-Soluble #157
 - Heterogeneous Catalysis #013
 - Metal #157
 - Perfluorophenyl #426
 - Photoactivatable Reagent #426
 - Removal #157
 - Trifunctional #426
- Dess-Martin #248**
- Desulfurization-Fluorination #409**
- Deuterated #202**
- Deuteriofluoroacetic Acid | 2-→ #151**
- Diagnosis #154**
- Diaminobutane Metavanadate | 1,4-→ #278**
- Diastereoselective Bromodifluoromethylation #497**
- Diastereoselective Difluoromethylation #497**
- Diazabicyclo(2.2.2)octane | 1,4-→ #001**
- Diazabicyclo(5.4.0)undec-7-ene | 1,8-→ #238**
- Dibenzo-p-dioxin #146**
- Dibenzofuran #459**
- Dibromo-1,1-difluoro Compound | 1,3-→ #238**
- Dicarbonyl Compound | 1,3-→ #431**
- Dichloromethylene Group #140**
- Dichlorosilane #379**
- Dichlorotetrafluoroethane | 1,1-→ #191**
- Dicyanoepoxide | α-→ #427**
- Diels-Alder**
 - 2,4-Cyclohexadienone #537
 - Acetylene #537
 - Adduct #537
 - Affect #230
 - Allene #323
 - AM1 Study #323
 - Dehydrobenzene #537
 - Dienophile #230, #323
 - Fluoroallene #323
 - Orbital #230
 - PM3 Study #323
 - Polyfluorinated #537
 - Selectivity #230
 - Unsymmetrization #230
- Dienone #396**
- Dienophile**
 - Affect #230
 - Allene #323
 - AM1 Study #323
 - Diels-Alder #230, #323
 - Fluoroallene #323
 - Orbital #230
 - PM3 Study #323
 - Selectivity #230
 - Unsymmetrization #230
- Dienyl Tricarbonyliron | η₄-→ #227**
- Dienyl Trifluoromethyl Ketone #073**
- Diepoxide #389**
- Diester #478**
- Diethyl 3-(Trifluoromethyl)glutamate #044**
- Diethyl Iododifluoromethylphosphonate #416**
- Diethyl(ethoxycarbonyl)fluoromethylphosphonate #469**
- Diethylaminosulfur Trifluoride**
 - 3-Aryl-2-hydroxypropanoic Ester #320
 - Anomalous Fluorination #320
 - Methyl 5-O-Benzyl-β-D-arabino-furanoside #404
 - Methyl 5-O-Benzyl-β-xylo-furanoside #404
- Diethylphosphonyl-difluoromethylcadmium Reagent #475**
- Diethylzinc #054**
- Diffraction #196**
- Diffusion #383**
- Difluorinated #440**
- Difluorination | gem-→ #482**
- Difluoro Benzylic Phosphonate | α,α-→ #475**
- Difluoro Ketone | α,α-→ #408**
- Difluoro-β-hydroxy Ester | α,α-→ #420**
- Difluoro-1,2,9,9A-Tetrahydrocyclopropa(C)Benzo(E)Indol-4-One | 9,9-→ #295**
- Difluoro-1,4-diazoniabicyclo(2.2.2)octane Salt | N,N'-→ #050**
 - 1,4-Diazabicyclo(2.2.2)octane #001
 - Electrophilic #050
 - Fluorinating Ability #001
 - Fluorinating Agent #050
 - Reactive #050
- Difluoro-2-ethoxy-2-propenol | 3,3-→ #406**
- Difluoroalkene | gem-→ #311**
- Difluoroallyl-phosphonate | α,α-→ #240**
- Difluoroallylic Alcohol #487**
- Difluoroallylic Ether #221**
- Difluoroarachidonic Acid | 5,6-→ #483**
- Difluorobenzyl Phenyl Ether | α,α-→ #012**
- Difluorocarbene #497**
- Difluorocyclopropane | gem-→ #480**
- Difluoroenol Ether | gem-→ #072**
- Difluoroester | α,α-→ #494**
- Difluoroethenylstannane | E-2-Substituted 1,2-→ #470**
- Difluoroethenylstannane | Z-2-Substituted 1,2-→ #470**
- Difluoroethylene | cis-1,2-→ #434**
- Difluoroethylene | trans-1,2-→ #434**
- Difluoroglutamic Acid | DL-3,3-→ #215**
- Difluoroglutamic Acid | DL-4,4-→ #216**
- Difluoroglutamine | DL-4,4-→ #228**
- Difluoroglutamyl-Containing | γ-DL-4,4-→ #228**
- Difluoroketone | α,α-→ #406**
- Difluoromethanimine | (E)-1-H-→ #167**
- Difluoromethanimine | (Z)-1-H-→ #167**
- Difluoromethotrexate | DL-γ,γ-→ #216**
- Difluoromethyl-cadmium | bis-→ #257**

- Difluoromethyl-cuprate(III)** | tetrakis-→ #257
Difluoromethyl-Substituted | α -→ #241
Difluoromethylation #183
Difluoromethylene Compound | *gem*-→ #457
Difluoromethylenephosphonate #441
Difluoromethylpentafluorophenyl Sulfide #390
Difluoromethylpolyfluoroaryl Sulfide #390
Difluoroolefin | 1,1-→ #477
Difluoroornithine | DL-4,4-→ #228
Difluorophenyl-bismuth | tris-2,6-→ #523
difluoropropenoate | 2-*N*-Alkyl-*N*-aryl-amino-3,3-→ #472
Difluorosalicylaldehyde | 3,5-→ #429
Difluorosalicyclic Acid | 3,5-→ #429
Difluorostannylene #392
Difluorostyrene | (*Z*)- α , β -→ #489
Difluorovinyl Ketone | 2,2-→
 · α -Oxoketenimine #405
 · 3-Fluorinated #229
 · 5-Fluorinated #229
 · Acetoacetylation #405
 · Amine #405
 · Pyrazole #229
 · Regiocontrolled Synthese #229
Difunctional | α , β -→ #464
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- Periodinane #248
- Reactive Intermediate #248
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- *o*-Iodoxybenzoic Acid #248

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Identification #089

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- 2-Hydro-2-oxo-5,6-benzo-1,3,2-λ₄-dioxaphosphorin-4-one #531
- 3-Fluoro Azetidinone #444
- Benzodioxaphosphepinone #531
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- Condensation #444
- Electrophilic Fluorination #432
- Lithium Enolate #444
- Methyl-Substituted Pyridine #432
- Ring-System #531
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Inactivation #038

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- α-Trifluoromethyl-Substituted #004, #016
- 2-¹⁴C-Thymidine #145
- 9,9-Difluoro-1,2,9,9A-Tetrahydrocyclopropa(C)Benzo(E)Indol-4-One #295
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- DNA #145
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- Fluoride #145
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- Peptide #004, #016
- Seedling #145
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- 4,9-Dihalo Substitution #234
- 4-Halo Substitution #234
- Adamantanone #234
- Bromodifluoroacetate #428
- Chlorodifluoroacetate #428
- Reduction #234
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- α-Arylpropionic Acid #456
- α-Fluoro Analog #456
- 2-¹⁴C-Thymidine #145
- DNA #145
- Fluoride #145
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- Mung Bean #145
- Seedling #145

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- 5,6-Difluoroarachidonic Acid #483
- 5-Lipoxygenase #483
- Aspartyl #007
- Dipeptide #445
- Dipeptidyl #445
- Fluorine-Containing #007
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- Methyl 2-Br-2-Cl-Carboxylate #473
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- 1-Halo-substituted Intermediate #540
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- 3-Fluoropropanoyl Chloride #080
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- Crystal Structure #512
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- Fluorination #395
- Free Radical #395
- Inert Matrix #392
- IR Spectroscopy #392
- Matrix #366
- Methyl Chloride #392
- MnF₃ Molecule #366
- Oligomer #425
- Perfluoro Methylene Oxide #425
- Physical Property #425
- Polymer #395
- Theoretical #392
- Vibrational Spectra #366

Lubricant #506**Macrocyclic #422****Magnesium Chloride-Triethylamine #469****Magnesium Hexaquo bis((Trifluoromethyl)sulfonyl)amide Dihydrate #170****Magnetic #526****Main Chain #115****Main Group #162****Maleimide #142****Malic Acid | (S)→ #014****Mandible #220****Mannojirimycin #438****Mass-Spectrometry #202****Materials Chemistry #214****Materials Development #143****Mathematical Modeling #503****Matrix #366****Matrix | Inert» #392****Mechanism**

- 2-Perfluoroalkyl Ethanol #239
- 2-Perfluoroalkyl-1-iodoalkane #239
- Activated Carbon #388
- Adduct #239
- Ambidentate #239
- CCl₂F₂ #388
- CF₃OF #180
- CH₂F₂ #388
- Cl Atom #194
- Excited #194
- Gas-Phase #180
- H Atom #194
- HCN #194
- Isolation #239
- Kinetics #180
- Kolbe Electrosynthesis #397
- Lactam #239
- Lactim Ether #239
- O Atom #194
- Palladium #388
- Perfluoroether #386
- Product #194
- Radiolysis #386
- Selective Hydrogenolysis #388
- Stoichiometry #239

- Tetrachloroethene #180
- Thermal Alkylation #239
- Thermal Reaction #180
- Trifluoromethylhypofluorite #180
- Vibrationally #194
- Water #239

Mechanism-Based #038**Mechanistic Aspect #486****Medicinal Target #005****Meisenheimer Complex Formation #268****Membrane #189****Mesogenic Property #356****Mesomorphic Property**

- 4'-*n*-Alkoxyphenyl 4''-((4-*n*-Alkoxy-2,3,5,6-tetrafluorophenyl)ethynyl)benzoate #355
- Chiral #338
- Core #338
- Flexible #338
- Fluorinated #338, #355
- Liquid Crystal #338, #355
- Oxymethylene #338

Meta-Substitution #449**Metabolite #202****Metal**

- Chelating Agent #157
- CO₂-Soluble #157
- Design #157
- Elemental Fluorine #134
- Fluorine #284
- Interaction #284
- Oxidative Fluorination #134
- Platinum #134
- Proton #284
- Removal #157
- Room-Temperature #134
- Solution #134

Metal Amide Chloride #305**Metal Amide Fluoride #305****Metal-Dependent #370****Methanide #172****Methanol-Gasoline-Mixture #188****Methotrexate**

- Analog #006, #215
- Biological Activity #215
- DL-3,3-Difluoroglutamic Acid #215
- Fluoroamino Acid-Containing #006
- Folic Acid #006, #215
- L-threo-(2S,4S)-4-Fluoroglutamic Acid #215

Methoxyaromatic #481**Methoxycarbonylphosphane #513****Methyl 2-Br-2-Cl-Carboxylate #473****Methyl 5-O-Benzyl-β-D-arabino-furanoside #404****Methyl 5-O-Benzyl-β-xyllo-furanoside #404****Methyl Chloride #392****Methyl Phenyl Sulfoxide #065****Methyl(difluoroiodo)benzene | 4→ #439****Methyl-N,N-bis(trifluoromethyl)hydroxylamine | O→ #105****Methylated #203****Methylene Compound #423****Methylmethacrylate #140****Micellar #332****Micelle Concentration | Critical» #206****Microbial #479****Microbial Synthesis #346****Microwave #155**

Migration #053

Migration | 1,2-→ #227

Migratory Aptitude #486

Milos, Greece #082

MnF₃ Molecule #366

Model Compound #187

Modeling #035

Modeling Technique #502

Modeling | Molecular→ #143

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- η₄-Dienyl Tricarbonyliron #227
- 1,2-Migration #227
- Air-Water-Interface #203
- Analog #441
- Complexation Site #227
- Difluoromethylenephosphonate #441
- Fluorinated #203
- Fluoromethylenephosphonate #441
- Glycerol-3-phosphate Dehydrogenase #441
- Heterocyclic Synthesis #227
- Key Step #227
- Methylated #203
- Monofluoromethylene Phosphonate #441
- Nonionic Surfactant #203
- Polyoxyethylene #203
- *sn*-Glycerol-3-phosphate #441
- Stereoselective Preparation #227
- Substrate #441
- X-Ray Structure #441
- *trans*-2,3-Disubstituted 1,4-Dioxane #227

Molecular Dynamics

- 2,2,2-Trifluoroethanol #330
- Ab-Initio #357
- Ethanol #330
- Hydrofluoric Acid #357
- Liquid #330
- Nanopore #330
- NMR #330
- Porous #330
- Silica Glass #330

Molecular Geometry #021**Molecular Structure**

- 1-Hydroxy-2,2,2-trifluoroethylidene-bisphosphonic Acid #359
- Acyclic Sulfur-Nitrogen Compound #170
- Antimineralization #359
- Antiresorption #359
- bis-Carbonyl Dimercury(I) Undecafluorodiantimonate #158
- bis-Carbonyl Mercury(II) Undecafluorodiantimonate(V) #158
- bis-Trifluoromethyl-sulfonyl-amine #170
- Cesium Fluorosulfate #175
- Cesium Hydrogen bis(Fluorosulfate) #175
- Cesium tetrakis(Fluorosulfato)aurate(III) #175
- Crystal #170
- Crystal Structure #175, #306
- Cs(Au(SO₃F)₄) #175
- Cs(H(SO₃F)₂) #175
- CsSO₃F #175
- Disodium Salt #359
- FS(O)CN #163
- F₃-Etidronic Acid #359
- Heterocycle #071
- Magnesium Hexaquo bis((Trifluoromethyl)sulfonyl)amide Dihydrate #170
- *mer*-tris(Carbonyl)iridium(III)fluorosulfate #166
- Oxonium Undecafluorodiantimonate #175

- SF₃CN #163
- Sulfinyl Cyanide Fluoride #163
- Sulfur Cyanide Trifluoride #163
- Superacid Anion #175
- tris-Trimethylsilyl-ester #359
- Vibrational Spectra #158, #166
- ¹³C MAS-NMR #158
- *N*-Bromodifluoromethyl-4-dimethylaminopyridinium Bromide #071
- *N*-Polyfluoroalkylated #071

Molecule

- (2,3)-Wittig Rearrangement #221
- 7-Coordinate #162
- Amide #442
- Biological Investigation #442
- CF₂- #221
- Difluoroallylic Ether #221
- Functionalized #221
- Isostere #442
- Main-Group #162
- Proline #442
- Stereochemistry #162
- Transition-Metal #162

Molten-Salt #401**Molybdenum**

- Chromium #172
- Core #172
- Distortion #172
- Fluoride #172
- Geometry #172
- Hydride #172
- Methanide #172
- Non-VSEPR Molecule #172
- Oxofluoride #172
- Vanadium #172

Molybdenum Complex #301**Monochlorine Fluoride #358****Monofluorinated #485****Monofluoromethylene Phosphonate**

- Analog #441, #460
- Conversion #460
- Difluoromethylenephosphonate #441
- Fluoromethylenephosphonate #441
- Glycerol-3-phosphate Dehydrogenase #441
- Hydroxymethylene Phosphonate #460
- Moiety #441
- Phosphorylated #460
- *sn*-Glycerol-3-phosphate #441
- Stereocontrolled Synthesis #460
- Substrate #441
- Tyrosine #460
- X-Ray Structure #441

Monomer #142**Monospirofluorophosphazene #171****Morpholinoethyl #532****Morpholinoethyl Methacrylate #341****Mosquito #116****Mossbauer-Spectroscopy | ⁶¹Ni→ #365****Mucoepidermoid Carcinoma #220****Multifunctional Ligand #173****Multilayer #041****Multiple Migmatization #360****Mung Bean**

- 2-¹⁴C-Thymidine #145
- DNA #145
- Fluoride #144, #145

- Germinating #144
- Growth #144
- Incorporation #145
- Inhibition #145
- Seed #144
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- Vigna Radiata #144

N-F Agent #097**N-F Type Reagent #459****Nanopore**

- 2,2,2-Trifluoroethanol #330
- Ethanol #330
- Glass #267
- Liquid #267, #330
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- Pentafluoropyridine #267
- Porous #267, #330
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- Fluorine Analog #154
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- Silica #018
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Nb–H Bond #373**NCA #362****NC₃F₇I #179****Neodymium-Europium Oxide-Fluoride #212****Neonatal #131****Nephrotoxic #089****Nerve #008****Neural Network | Computational* #025****Neuroscience #009****Neutral**

- 6-Coordinate #102
- Antimony(III) #525
- Crystal Structure #525
- Element #024
- Hexaarylated #024
- Hexaaryltellurium #024
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- Phosphorus #102
- Thiolate #525

Neutron #196**NH₄CoAlF₆ #351****Nickel #410****Nickel Fluoride #074****Nickel-Catalyzed #226****Niobium**

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- Carbon #352
- Electrochemical Deposition #352
- Fiber #352
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- Analog #446
- Anesthetic #446
- bis-Difluoromethyl-cadmium #257
- Capillary Gas-Chromatography #446
- Chiral #446
- Column-Suitability #446
- Desflurane #446
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- Ethanol #330
- Fluoroether #446
- Fluoroolefin #296
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- Isoflurane #446
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- Molecular Dynamics #330
- Nanopore #330
- Porous #330
- Silica Glass #330
- tetrakis(Difluoromethyl)cuprate(III) #257

NMR | ¹¹B-→ #502**NMR | ¹²¹Sb-→ #164****NMR | ¹²³Sb-→ #164****NMR | ¹²⁵Te-→ #178****NMR | ¹³C-→**

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- Cyclohexane #349
- Glass #267
- Liquid #267
- Nanopore #267
- Pentafluoropyridine #267
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- Porous #267
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- Oxidative**
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- Pentafluoro-6-chloro-2,4-cyclohexan-1-one | 2,3,4,5,6-→ #541**
- Pentafluoroaniline #264**
- Pentafluorobenzene #530**
- Pentafluorobenzenesulfanylamine #519**
- Pentafluoroethylumbelliferyl- β -D-glucoside | 4-→ #117**
- Pentafluorophenyl #374**
- Pentafluorophenyl-bromonium Cation | bis-→ #135**
- Pentafluorophenylamino-benzylphosphonate | α -N-→ #378**
- Pentafluorophenylfluorosilane #252**
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 - γ -DL-4,4-Difluoroglutamyl-Containing #228
 - Amino Acid #004, #016
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 - *N*-Cbz-di-*tert*-Butyl-DL-4,4-difluoroglutamate #228
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 - α,ω -Difunctional #223
 - α -Diketone #106
 - λ (3)-Phosphorus Compound #106
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 - Hetero-Hydrocarbon #036
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 - Viscosity #036
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- Perfluoro Methylene Oxide #425**
- Perfluoro-(*cis*-2,3-dialkyloxaziridines) #316**
- Perfluoro-4-oxa-5-hexenyl Radical #235**
- Perfluoro-*n*-alkane #193**
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- Perfluoroacyl Fluoride #309**

Perfluoroalkane

- Catalysis #288
- Chlorofluorocarbon #023
- Defluorination #023
- Perfluoroalkene #288
- Photoinduced Defluorination #288

Perfluoroalkene #288**Perfluoroalkoxy Fluorocarbon Resin #347****Perfluoroalkyl Diiodide #333****Perfluoroalkyl Ethanol** | 2-→ #239**Perfluoroalkyl Halide #343****Perfluoroalkyl Imidamide #233****Perfluoroalkyl Iodide #333****Perfluoroalkyl Radical #075****Perfluoroalkyl Substituent #128****Perfluoroalkyl Sulfone** | 2-Substituted Ethyl→ #380**Perfluoroalkyl-1-iodoalkane** | 2-→ #239**Perfluoroalkyl-benzimidazole** | 2-→ #233**Perfluoroalkylated**

- Aryl Nitrogen Base #225
- Azo Dye #340
- Electrochemically Induced Substitution #225
- Ferricinium Salt #253
- Ferrocene #253
- Fluorinated #225
- Guest-Host #340
- Liquid Crystal Display #340
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Perfluoroalkylating Agent #098**Perfluoroalkylation** | Radical→ #455**Perfluoroalkylidenemethyl-1,4-dioxane** | 2-→ #455**Perfluoroalkylmethyl-1,4-dioxane** | 2-→ #455**Perfluoroaryl-benzimidazole** | 2-→ #233**Perfluoroarylazide #026****Perfluoroarylazido Derivative #040****Perfluorobenzyl #374****Perfluorocarbon #035****Perfluorocarbon** | Saturated→ #474**Perfluorochemical #375****Perfluorocyclobutane #344****Perfluorocyclopropene #285****Perfluoroether #386****Perfluorophenyl #426****Perfluoropolyalkylether**

- α -Catalytic Alumina #505
- γ -Catalytic Alumina #505
- Additive #506
- Computational Chemistry #506
- Decomposition #505
- Liquid #506
- Lubricant #506
- Soluble #506

Perfluoropolyether #119**Perfluoropyrrolidino Group #335****Perhydrate #412****Periodic Table #348****Periodinane #248****Permeability #188****Peroxide #099****Persistent #075****Perylenetetracarboxydiimide** | 3,4,9,10-→ #128**Peterson Methodology #463****PF₅ Molecule #536****Pharmacodynamic Property #127****Pharmacokinetic Property #127****Phase Transformation #302****Phase Transition**

- 4-Alkoxycarbonylphenyl 4'-*n*-Alkoxy-2,3,5,6-tetrafluorobiphenyl-4-carboxylate #354
- Calorimetry #258
- Crystal #258
- SeF₆ #258
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Phase-Transfer Catalyst #070**Phenanthrene** | 9-Substituted→ #125**Phenol #200****Phenyl #486****Phenyl Azide #152****Phenyl-4-(4-*n*-alkoxyphenyl-2,3,5,6-tetrafluorophenyl)-butadiene** | 1-→ #356**Phenyl-Substituted**

- Alkene #047
- Fluorination #047
- Fluoroolefin #468
- Kinetic Aspect #047
- SelectfluorTM Reagent #047
- Stereochemistry #047

Phenylthio-3,3,3-trifluoropropene | 2-→ #452**Phosphaalkyne #513****Phosphazanium Enolate #150****Phosphepine Derivative #106****Phospholene Derivative #106****Phosphonate Ester #243****Phosphonic Acid #378****Phosphonium Perfluorocyclobutane Ylide**

- Ammonium Perfluorocyclobutane Ylide #451, #458
- Fluoride #458
- Fluorinating Reagent #451
- Fluoro Compound #451
- Source #458

Phosphonyl Radical Addition #072**Phosphorane** | λ_5 -→ #517**Phosphorus**

- 1,2-bis(Diphenylphosphino)benzene #173
- 2-Substituted 5,6-Benzo-1-methyl-3-R-1,3,2-diazaphosphorin-4-one #532
- 6-Coordinate #102
- Adamantyl #532
- Advance #376
- Asymmetric #173
- Azide #173
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- Direct Fluorination #111
- Fluorination #077
- Halex Reaction #070
- HF-Amine Complex #077
- Iodotoluene Difluoride #077
- Phase-Transfer Catalyst #070
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- Clinical Use #127
- Conjugate #089
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- Organization #286
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- Copper(II) Complex #201
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- Fluoride #147
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- Inverse Gas-Chromatography #201
- Limiting Factor #147
- Nucleophilic Fluorination #147
- Oxygen #036
- Parameter #201
- Partition Coefficient #036
- Perfluorinated #036
- Polarity #201
- Potential #036
- Pyridinecarboxamide #201
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- Niobium #156
- Oxidative Fluorination #134
- Perfluorocyclopropene #285
- Platinum #134
- Raman-Spectroscopy #401
- Room-Temperature #134
- Solvent-Extraction #156
- Surfactant #332

· Tantalum #156

· Theoretical #285

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- 2-Fluoro-2-phenylacetic Acid #361
- Ab-Initio #501
- Benzal Fluoride #056
- Chiral #361
- Conformation #361
- Derivatizing Agent #361
- Dimethyl Ether #501
- Ester #361
- Experimental #056, #361
- Fluorinated #501
- Fluorine-Substituted #361
- Free Energy #501
- Internal #056
- Potential #056
- Quantum-Mechanical Study #361
- Rotational #056
- Rotational Barrier #501
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- Ammonium Perfluorocyclobutane Ylide #458
- Fluoride #458
- Hydrofluorocarbon 1,1,1,2-Tetrafluoroethane #067
- Phosphonium Perfluorocyclobutane Ylide #458
- Trifluorovinyl lithium #067

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- Chain #271
- Derivatization #223
- Fluorinated #271
- Homopolymer #271
- Hybrid #271
- Perfluorinated #223
- Polymer #223
- Silicon Atom #271
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- bis-Trifluorophosphinyl-gold(I)-undecafluorodiantimonate(V) #061
- Crystal Structure #528
- Selenium-Halogen Cation #303
- Sulfur-Halogen Cation #303
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- Fluorochemical Engineering #055
- Hexafluoride #219
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- Spin-Orbit-Coupling #084**
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- Stable Ion #101**
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 - Milos, Greece #082
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 - Purification #018
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- Steel #507**
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 - Fluorination #047
 - Kinetic Aspect #047
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 - Molecule #162
 - Phenyl-Substituted #047
 - SelectfluorTM Reagent #047
 - Transition-Metal #162
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- Stereocontrolled Access #051**
- Stereocontrolled Synthesis**
 - Allyl 2-Phenylsulfanyl-1-(trifluoromethyl) Vinyl Ether #073
 - Analog #460
 - Claisen Rearrangement #073
 - Conjugated #073
 - Conversion #460
 - Dienyl Trifluoromethyl Ketone #073
 - Hydroxymethylene Phosphonate #460
 - Monofluoromethylene Phosphonate #460
 - Phosphorylated #460
 - Tyrosine #460
- Stereodefined #407**
- Stereoelectronic Effect #268**
- Stereoselective**
 - (*Z*)- α,β -Difluorostyrene #489
 - Synthon #434
 - *cis*-1,2-Difluoroethylene #434
 - *trans*-1,2-Difluoroethylene #434
- Stereoselective Preparation #227**
- Stereoselective Synthesis**
 - α -Amino Acid #014
 - α -Chloro- α,β -Unsaturated Ester #317
 - (*S*)-Aspartic Acid #014
 - (*S*)-Malic Acid #014
 - 2-Fluoropropanethioate #444
 - 3-Fluoro Azetidinone #444
 - Condensation #444
 - Imine #444
 - Lithium Enolate #444
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- Stereospecific Route #470**
- Stereospecific Synthesis**
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 - Dienyl Triflone #290, #298
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 - Stille Reaction #290
 - Triflone Chemistry #298
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 - Vinyl Sulfone #298
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 - Electron-Deficient #152
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 - Prediction #349
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- Cyclic Ether #177
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- α -Fluorination #065
- α -H Atom #065
- 1,3-Dipolar Cycloaddition #452
- 2-Phenylthio-3,3,3-trifluoropropene #452
- Fluorine #065
- Introduction #065
- Methyl Phenyl Sulfoxide #065
- Molecular Fluorine #065
- Reactivity #452
- Sulfone #452

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- Adsorption #031
- Analysis #190
- Cesium Perfluorooctanoate #206
- Chlorine-Fluorine Exchange #190
- Chromia #190
- Copolymer #114
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- End-Capped #185
- Enriched #114
- Epoxide #114
- Etching #031
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- Fluoroalkyl-Functional #185
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- Amphiphilic #069
- Chain-Length #204
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- Hybrid #332
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- Hydrophobic #204
- Liposome #504
- Micellar #332
- Oligomer #069, #205
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- Solution #332
- Surface Active #204
- Technology #504

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- α,α -Difluoroketone #406
- 3,3-Difluoro-2-ethoxy-2-propenol #406
- Stereoselective #434
- *cis*-1,2-Difluoroethylene #434
- *trans*-1,2-Difluoroethylene #434

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Tetronic Acid #496**Te₂O₃F₂** #277**Theoretical**

- Alkyl Halide #392
- Analog #392
- Benzal Fluoride #056
- Carbene #392
- Complex #392
- Crystalline #285
- Difluorostannylene #392
- Experimental #056, #087, #285, #392
- FSH₂⁺ #087
- Gas-Phase #087
- Gaseous #285
- Inert Matrix #392
- Internal #056
- IR Spectroscopy #392
- Low-Temperature #392
- Methyl Chloride #392
- Observed #087
- Perfluorocyclopropene #285
- Potential #056
- Prediction #087
- Protonated #087
- Rotational #056
- Solution #285
- Solvation #056
- Stable #087
- Thiohypofluorous Acid #087

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- Copolymer #114
- Enriched #114
- Epoxide #114
- Immiscible #286
- Organization #286
- Photopolymerized #114
- Polymer #286
- Side Chain #286
- Spontaneous #286
- Sulfonyl Fluoride Group #114
- Surface #114

Thioester #242**Thiohypofluorous Acid** #087**Thiolate** #525**Thionyl Fluoride** #136**Thiopyrylium Salt** #207**Thiosulfonate** #242**Thymidine** | 2-¹⁴C-→ #145**Time-of-Flight** #196**Time-Resolved Luminescence** #086**Tin-Based** #122**Titanium**

- Asymmetric #436
- Binaphthol #436

· Carbonyl-Ene Aldol Reaction #436

· Catalysis #436

· Chiral #436

· Complex #436

· CsCl-KCl-NaCl-NaF-K₂TiF₆ Melt #399

· Electrochemical Behavior #399

· Fluoral #436

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- 7-Coordinate #162
- Computational Study #301
- Electrochemical-Study #301
- Fluorophosphane Ligand #251
- Gold #251
- High Oxidation State #301
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- Molecule #162
- Molybdenum Complex #301
- Stabilization #301
- Stereochemistry #162
- Trifluoromethyl Complex #251
- Tungsten Complex #301

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- Phenyl #486
- Stereospecific Synthesis #298
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- Triflone** | Dienyl»
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 - Alkenylation #298, #298
 - C-H Bond #298, #298
 - Dienyl Triflone #290, #298, #298
 - Organocopper #298, #298
 - Regiospecific Synthesis #290
 - Stereospecific Synthesis #290, #298, #298
 - Stille Reaction #290
 - Triflone Chemistry #298, #298
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 - Vinyl Sulfone #298, #298
 - Vinyl Triflone #298, #298
- Trifluoride** #535
- Trifluoromethylhalogen Iodate Salt** #521
- Trifluoromethyltrifluoromethoxy Iodate** #521
- Trifluoro- α' -sulfenylketone** | α, α, α -> #479
- Trifluoro-2,3-epoxypropane** | 1,1,1-> #051
- Trifluoro-2-alkanol** | 1,1,1-> #110
- Trifluoro-3-(phenylthio)propan-2-ol** | 1,1,1-> #051
- Trifluoroacetaldehyde Ethyl Hemiacetal** #078
- Trifluoroacetic Anhydride** #481
- Trifluoroacetoxylation** #540
- Trifluoroacetylation** #481
- Trifluoroalanine** | 3,3,3-> #443
- Trifluoroaniline** | 2,4,6-> #377
- trifluoroethane** | 2-Bromo-2-chloro-1,1,1-> #086
- Trifluoroethanol** #485
- Trifluoroethanol** | 2,2,2-> #330
- Trifluoroethylene** #118
- Trifluorohaloethane** | 1,1,1-> #063
- Trifluoromethane** #192
- Trifluoromethyl**
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 - Organic Synthesis #367
 - Series #319
 - Trifluoromethylazole #319
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- Trifluoromethyl Complex** #251
- Trifluoromethyl Cyclotrimeratrylene** | tris-> #046
- Trifluoromethyl Enamine** | Z-> #467
- Trifluoromethyl Enol Ether** | Z-> #467
- Trifluoromethyl Group**
 - 6-Trifluoromethyl-4,5-dihydro-2(3H)-pyridone #244
 - Aziridin-1-yl Enone #042
 - Aziridin-1-yl Fumarate #042
 - Bridgehead Position #244
 - Dihydropyridone #244
 - Fused #244
 - Generation #244
 - Nitrogen-Heterocycle #244
 - Phototransformation #042
 - Radical Cyclization #244
- Trifluoromethyl Imidazole-4-carboxylate** | 1-Substituted 5-> #382
- Trifluoromethyl Imidazole-4-phosphonate** | 1-Substituted 5-> #382
- Trifluoromethyl Ketone** #294
- Trifluoromethyl Selenoether** #488
- Trifluoromethyl Substituent** | 2-> #461
- Trifluoromethyl Thioenol Ether** | Z-> #467
- Trifluoromethyl Thioether** #488
- Trifluoromethyl Trimethylsilane** #488
- Trifluoromethyl Zinc Bromide** #183
- Trifluoromethyl-4,5-dihydro-2(3H)-pyridone** | 6-> #244
- Trifluoromethyl-alkan-1-ol** | 2-> #064
- Trifluoromethyl-butyrolactone** | 2-> #307
- Trifluoromethyl-cyclopentadienide Salt** | pentakis-> #058
- Trifluoromethyl-diphosphine** | tetrakis-> #254
- Trifluoromethyl-hydroartemisinin** | 12- α -> #039
- Trifluoromethyl-phosphine** | bis-> #254
- Trifluoromethyl-styrene** | α -> #311
- Trifluoromethyl-Substituted**
 - 3,3,3-Trifluoropyruvic Acid #153
 - Alkane Chemistry #029
 - Alkene Chemistry #029
 - Amine-borane #029
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 - Heterocycle #153
 - Imidazoline #294
 - Peptide Synthesis #294
 - Precursor #294
 - Sulfur #153
 - Trifluoromethyl Ketone #294
- Trifluoromethyl-Substituted** | α ->
 - β -Ethoxyvinyl Zinc Reagent #231
 - Amino Acid #004, #016
 - CF_3 - #231
 - Cross-Coupling #231
 - Functionalized #231
 - Incorporation #004, #016
 - Palladium-Catalyzed #231
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- Trifluoromethylalkene** #435
- Trifluoromethylated**
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 - Amino Alcohol #005
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- Trifluoromethylated** | α ->
 - Alcohol #078, #492
 - Functional-Group #492
 - Transformation #492
 - Trifluoroacetaldehyde Ethyl Hemiacetal #078
 - Water #078
- Trifluoromethylating** #376
- Trifluoromethylation** #183
- Trifluoromethylazole** #319
- Trifluoromethylazosulfon-N,N-dimethylamide** #528
- Trifluoromethylhyopfluorite** #180
- Trifluoromethylphenol** | m-> #423
- Trifluoromethylpyridine** | 4-> #423
- Trifluoromethylselanyl-carbenium** | tris-> #107
- Trifluoromethylsulfanglactic Acid Derivative** #107
- Trifluoromethylsulfonyl-benzene** | tris-> #398
- Trifluoromethyltrimethylsilane** #184

- Trifluoromethylvinyl Sulfone** #413
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trifluoropropanoic Acid Ester | 2-*N*-Arylimino-3,3,3- \rightarrow #443
Trifluoropropene | 3,3,3- \rightarrow #409
Trifluoropropenyl Alkyl Ether | (*Z*)-3,3,3- \rightarrow #068
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 - Acetylenic Triflone #298
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 - Stereospecific Synthesis #298
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 - 2,3,3,3-Tetrafluoropropionitrile #274
 - Ab-Initio Calculation #083, #274
 - Barrier #274
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 - Internal-Rotation #274
 - IR Spectroscopy #083, #274
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 - Ab-Initio Calculation #535
 - Aluminum Difluoride #535
 - bis-Carbonyl Dimercury(I) Undecafluorodiantimonate #158
 - bis-Carbonyl Mercury(II) Undecafluorodiantimonate(V) #158
 - CBrClF₂ #085
 - Force-Field #535
 - Gallium Difluoride #535
 - Halon #085
 - Low-Temperature #366
 - Matrix #366
 - *mer*-tris(Carbonyl)iridium(III)fluorosulfate #166
 - MnF₃ Molecule #366
 - Molecular Structure #158, #166
 - Trifluoride #535
 - Vibration-Rotational Spectroscopy #085
 - ¹³C MAS-NMR #158**Vibrationally** #194
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Vicinal #454
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Vinylendiphosphine #126
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Vinyl Sulfone #298
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 - 2-Perfluoroalkyl Ethanol #239
 - 2-Perfluoroalkyl-1-iodoalkane #239
 - Adduct #239
 - Alcohol #078
 - Ambidentate #239
 - Analysis #202
 - Catalyst #028
 - Chlorofluorocarbon #028
 - Decomposition #028
 - Deuterated #202
 - Fenamiphos #202
 - Halex Reaction #070
 - Internal Standard #202
 - Isolation #239
 - Lactam #239
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 - Mass-Spectrometry #202
 - Mechanism #239
 - Metabolite #202
 - Phase-Transfer Catalyst #070

- Robust #070
- Selective #070
- Solid-Liquid #070
- Stoichiometry #239
- Tetramethylammonium Chloride #070
- Thermal Alkylation #239
- Trifluoroacetaldehyde Ethyl Hemiacetal #078
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- 3rd-Row #196
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- Phase Transition #258
- Powder #196
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- SeF₆ #258
- Time-of-Flight #196
- Transition-Metal Hexafluoride #196

Wittig Rearrangement | (2,3)→ #221**WSF₄ #304****X-Ray Absorption #304****X-Ray Crystal Structure**

- 2-Hydro-2-oxo-5,6-benzo-1,3,2-λ₄-dioxaphosphorin-4-one #531
- Alkyne #373
- Antimony #057, #164
- Arsenic #057
- Benzodioxaphosphepinone #531
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- Carbonyl Compound #531
- Density-Functional #174
- Hydride-Niobocene Complex #373
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- Insertion #373
- Nb-H Bond #373
- Osmium(VIII) Oxofluoro Cation #174
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- SBr₃SbF₆ #057
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- ¹²¹Sb-NMR #164
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- 9,9-Difluoro-1,2,9,9A-Tetrahydrocyclopropa(C)Benzo(E)Indol-4-One #295
- Alkylation #295
- Analog #295, #441
- bis-Trifluoromethyl-phosphine #254
- Difluoromethylenephosphonate #441
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- Fluorocyclopropane #295
- Fluoromethylenephosphonate #441
- Glycerol-3-phosphate Dehydrogenase #441
- Incorporation #295
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- Monofluoromethylene Phosphonate #441
- Ruthenium Carbonyl Cluster #254
- *sn*-Glycerol-3-phosphate #441
- Substrate #441
- Subunit #295
- tetrakis(Trifluoromethyl)diphosphine #254
- Tetraruthenium Carbonyl Cluster #254
- Tri-*n*-butyltin Pentafluorocinnamate #256
- Tri-*n*-butyltin Pentafluorobenzoate #256
- Triphenyltin Pentafluorobenzoate #256

XeF₂

- 1-Halo-substituted Intermediate #540
- Adamantane #540
- Adsorption #031
- CF₃COOH #540
- Etching #031
- Exposure #031
- Fluorine #031
- GaAs(110) #031
- Interaction #540
- Surface #031
- Trifluoroacetoxylation #540

XeF₂-H₂O

- Cycloalkenylxenon(II) Salt #529
- Electrophilic Oxygenation #529, #530
- Epoxidation #529
- Fluorinated #529
- Hydrogen Fluoride #529, #530
- Oxygenation #529
- Pentafluorobenzene #530

XeF₄ #195**Ylide #095****Zeolite**

- Catalyst #027, #028
- Chlorofluorocarbon #028, #534
- Computational Investigation #534
- Decomposition #028
- Halogenation #027
- Interaction #534
- Water #028

Zinc Complex #161**Zircaloy #410****Zirconium #124**