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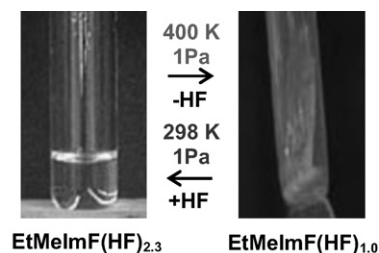
Chemistry in heterocyclic ammonium fluorohydrogenate room-temperature ionic liquid

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Physicochemical properties and molecular science in heterocyclic ammonium fluorohydrogenate RTIL are reviewed.



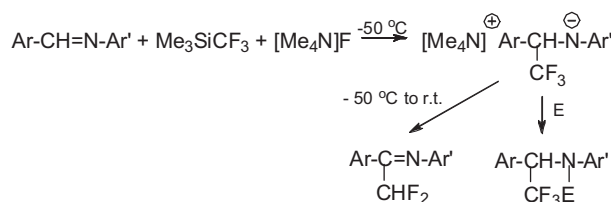
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Trifluoromethylation of non-activated aldimines with trimethyl(trifluoromethyl)silane in the presence of tetramethylammonium fluoride: A closer look into the reaction route

Nataliya V. Kirij^a, Lesya A. Babadzhanova^a, Valeria N. Movchun^a,
Yurii L. Yagupolskii^a, Wieland Tyrra^b, Dieter Naumann^b,
Hendrik T.M. Fischer^b, Harald Scherer^b

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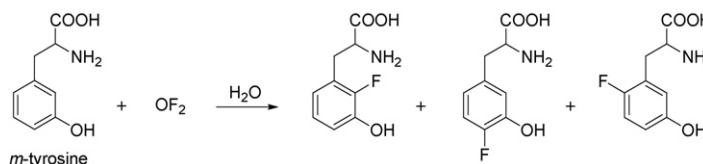
J. Fluorine Chem., 129 (2008) 22

Selective fluorination of *m*-tyrosine by OF₂

Babak Behnam Azad^{a,b}, Rezwan Ashique^a, Raman Chirakal^{a,b},
Gary J. Schrobilgen^b

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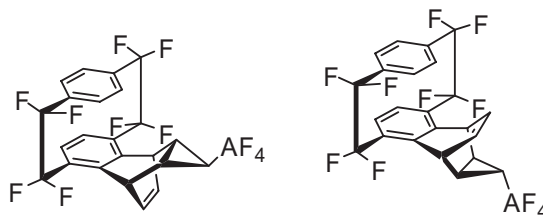
J. Fluorine Chem., 129 (2008) 28

Sequential ene, Diels–Alder reactions of AF₄-yne with 1,3,5-cycloheptatriene

William R. Dolbier Jr., Yian Zhai, Will Wheelus, Merle A. Battiste, Ion Ghiviriga

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AF₄-yne undergoes sequential ene and Diels–Alder reactions to give two diastereoisomeric 2:1 adducts.

*J. Fluorine Chem.*, 129 (2008) 35

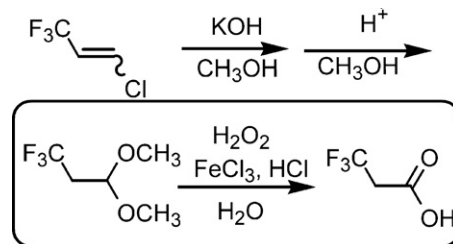
Convenient synthesis of 3,3,3-trifluoropropanoic acid by hydrolytic oxidation of 3,3,3-trifluoropropanal dimethyl acetal

Takeo Komata^{a,b}, Shinya Akiba^b, Kenji Hosoi^b, Katsuyuki Ogura^a

^aDiversity and Fractal Science, Graduate School of Science and Technology, Chiba University, 1-33 Yayoi-cho, Inage-ku, Chiba-shi, Chiba 263-8522, Japan

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3,3,3-Trifluoropropanoic acid was conveniently and efficiently prepared starting from 1-chloro-3,3,3-trifluoropropene.

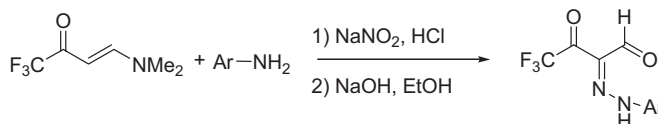
*J. Fluorine Chem.*, 129 (2008) 40

Synthesis and structure of trifluoromethylated arylhydrazones formed from coupling of 4-(dimethylamino)-1,1,1-trifluorobut-3-en-2-one with diazonium salts

Huiling Jiang, Shizheng Zhu

Key Laboratory of Organofluorine Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, China

A series of trifluoromethylated arylhydrazones were prepared via an azo-coupling reaction and the crystal structure was discussed via the X-ray diffraction analysis.

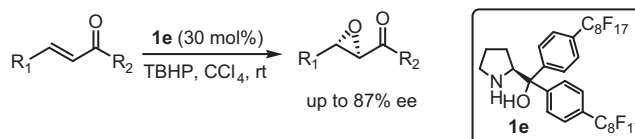
*J. Fluorine Chem.*, 129 (2008) 45

Enantioselective catalytic epoxidation of α,β -enones promoted by fluoros α,α -diaryl-L-prolinols

Haifeng Cui^a, Yawen Li^b, Changwu Zheng^a, Gang Zhao^a, Shizheng Zhu^a

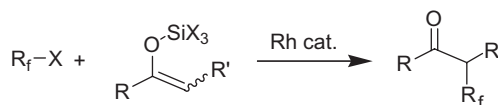
^aKey Laboratory of Organofluorine Chemistry and Laboratory of Modern Synthetic Organic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, PR China

^bDepartment of Chemistry, University of Science and Technology of China, Hefei, Anhui 230026, PR China

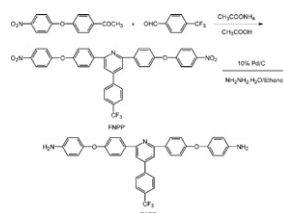


J. Fluorine Chem., 129 (2008) 51**Rhodium-catalyzed α -fluoroalkylation reaction of ketones using silyl enol ethers**

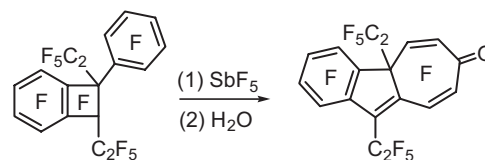
Kazuyuki Sato, Makoto Higashinagata, Takashi Yuki, Atsushi Tarui, Masaaki Omote, Isumaro Kumadaki, Akira Ando

*Faculty of Pharmaceutical Sciences, Setsunan University, 45-1 Nagaotoge-cho, Hirakata, Osaka 573-0101, Japan*The treatment of silyl enol ethers with fluoroalkyl halides (R_f-X) in the presence of $RhCl(PPh_3)_3$ gave α -fluoroalkylated ketones.**Synthesis and properties of new pyridine-bridged poly(ether-imide)s based on 4-(4-trifluoromethylphenyl)-2,6-bis[4-(4-aminophenoxy)phenyl]pyridine**Xiao-Long Wang^{a,b}, Yan-Feng Li^a, Chen-Liang Gong^a, Tao Ma^a, Feng-Chun Yang^a^aState Key Laboratory of Applied Organic Chemistry, College of Chemistry and Chemical Engineering, Lanzhou University, Lanzhou 730000, China^bState Key Laboratory of Solid Lubrication, Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, Lanzhou 730000, China

A series of fluorinated pyridine-bridged aromatic poly(ether-imide)s were prepared from a novel pyridine-containing aromatic diamine monomer and the resulting polyimides exhibited good solubility in organic solvents, excellent thermal properties, and good mechanical properties, as well as low dielectric constants and good optical transparency. The effects of fluorine substituents were discussed.

J. Fluorine Chem., 129 (2008) 56**Expansion of the pentafluorobenzene ring of perfluoro-1,2-diethyl-1-phenylbenzocyclobutene under the action of SbF_5**

Tatyana V. Mezhenkova, Vladimir R. Sinyakov, Victor M. Karpov, Vyacheslav E. Platonov, Tatjana V. Rybalova, Yuri V. Gatilov

N.N. Vorozhtsov Novosibirsk Institute of Organic Chemistry, Novosibirsk 630090, Russia*J. Fluorine Chem.*, 129 (2008) 64**Preparation of novel fluoroalkyl end-capped oligomeric nanoparticles-encapsulated hibitane**Hideo Sawada^a, Takuro Kariya^a, Masaki Mugisawa^a, Takahisa Oya^b, Shin-ichi Ogino^b, Hiroshi Kakehi^{a,c}, Masashi Miura^c, Norifumi Isu^c^aDepartment of Frontier Materials Chemistry, Graduate School of Science and Technology, Hirosaki University, Bunkyo-cho, Hirosaki 036-8561, Japan^bKansai Paint Co., Ltd., Hiratsuka, Kanagawa 254-8562 Japan^cR&D Center, INAX Corporation, Tokoname, Aichi 479-8588, JapanFluoroalkyl end-capped N -(1,1-dimethyl-3-oxobutyl)acrylamide oligomer [$R_f-(DOBAA)_n-R_f$] reacted with hibitane in methanol at 90 °C to afford $R_f-(DOBAA)_n-R_f$ oligomeric nanoparticles-encapsulated hibitane in good isolated yields.*J. Fluorine Chem.*, 129 (2008) 68