

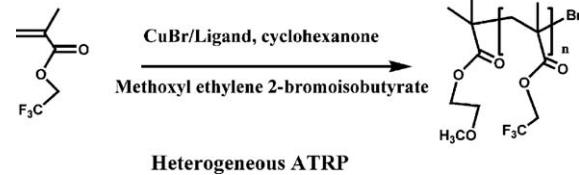
Graphical Abstracts/J. Fluorine Chem. 132 (2011) 559–561

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Low-fluorinated homopolymer from heterogeneous ATRP of 2,2,2-trifluoroethyl methacrylate mediated by copper complex with nitrogen-based ligand

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This paper reports low-fluorinated homopolymer from heterogeneous atom transfer radical polymerization (ATRP) of 2,2,2-trifluoroethyl methacrylate (TFEMA) using bpy, PMDETA, Me_6TREN as representative for di-, tri-, and tetradeятate amines ligands, respectively.



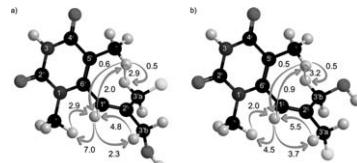
J. Fluorine Chem., 132 (2011) 573

Synthesis, structural and conformational studies of Z- and E-isomers of fluorinated C-6 isobut enyl N-methyl thymine derivatives

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Syntheses of fluorinated C-6 isobut enyl substituted N-methyl thymines are reported.

The conformational study of Z- and E-isomer of monofluorinated derivative as model compound for development of PET tracer is also presented.

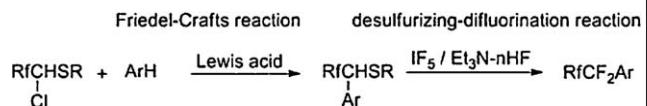


J. Fluorine Chem., 132 (2011) 579

A novel method for introducing a polyfluoroalkyl group into aromatic compounds

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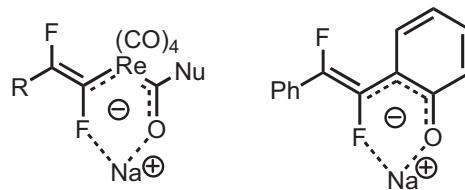


C–F . . . M⁺ interaction in anionic α -fluorovinyl rhenium oxycarbene complexes and their β -fluoroenolate analogs

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The ¹⁹F NMR shows that CF M⁺ (M = Na, Li) interaction in α -fluorovinyl rheniumoxycarbene anions and the analogous α -fluorovinylphenolate is not broken in a donortsolvent (THF). The study, including DFT calculations, reveals the role of conjugation instabilizing such F,O-chelates.



Synthesis, characterization, and derivatization of some novel types of fluorinated mono- and bis-imidazolidineiminothiones with antitumor, antiviral, antibacterial, and antifungal activities

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Synthesis and characterization of novel fluorescent BOPIM dyes with large Stokes shift

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Synthesis, characterization and pharmacological activities of 2-[4-cyano-(3-trifluoromethyl)phenyl amino]-4-(4-quinoline/coumarin-4-yloxy)-6-(fluoropiperazinyl)-s-triazines

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Synthesis of fluoroacylated 4,5-dihydrofurans and fluoroalkylated tetrahydrofurans by the radical cyclization using manganese(III) acetate. Part II

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An efficient and general route to the synthesis of diethyl α,α -bromofluorophosphonates

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