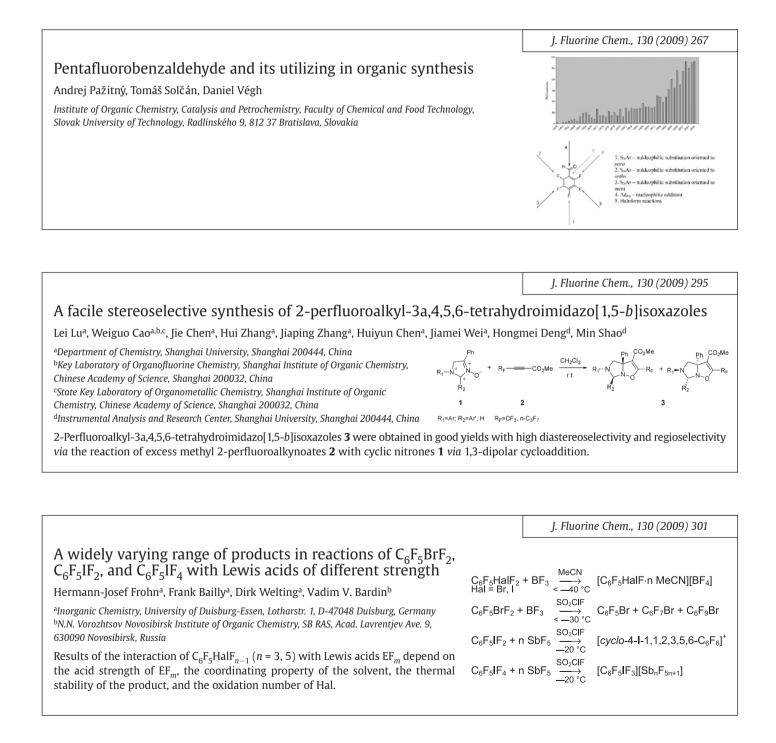
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Graphical Abstracts/J. Fluorine Chem. 130 (2009) 263-266





J. Fluorine Chem., 130 (2009) 308 Novel perfluoroalkylated oligo(oxyethylene) methyl ethers with high hemocompatibility and excellent co-emulsifying properties for potential biomedical uses Robert Kaplánek^a, Oldřich Paleta^a, Ivana Ferjentsiková^b, Milan Kodíček^b CF₂(CF₂CF₂)_mCF₃ ^aDepartment of Organic Chemistry, Prague Institute of Chemical Technology, Technická 5, 16628 Prague 6, X = H: OH Czech Renublic n. m = 1-3 ^bDepartment of Biochemistry and Microbiology, Prague Institute of Chemical Technology, Technická 5, 16628 Prague 6, Czech Republic I. Fluorine Chem., 130 (2009) 317

Graphical Abstracts

Chain-radical fluoroalkylation of thiophenols with freon ClCF₂CFCl₂ in the presence of sulfur dioxide

Vyacheslav G. Koshechko, Lydiya A. Kiprianova, Ludmyla I. Kalinina

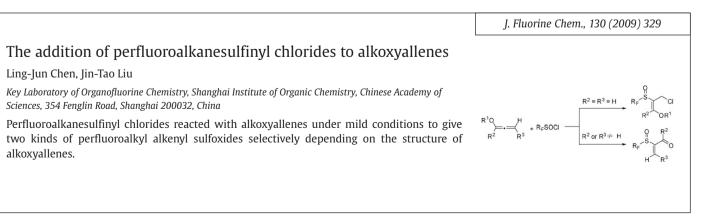
L.V. Pisarzhevsky Institute of Physical Chemistry of the National Academy of Sciences of Ukraine, Pr.Nauky 31, Kiev 03028, Ukraine

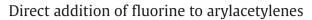
SO₂ $p-XC_6H_4SH + CF_2CICFCl_2 \xrightarrow{SO_2} p-XC_6H_4SCFCICF_2CI + HCl$ X = CH₃, H, Cl, NO₂, SO₂CF₃

J. Fluorine Chem., 130 (2009) 321 Reactions of trimethylsilyl fluorosulfonyldifluoroacetate with purine and pyrimidine nucleosides Magdalena Rapp^a, Xiaohong Cai^b, Wei Xu^b, William R. Dolbier Jr.^b, Stanislaw F. Wnuk^a ^aDepartment of Chemistry and Biochemistry, Florida International University, OCF₂H CF₂H Miami, FL 33199, United States ^bDepartment of Chemistry, University of Florida, Gainesville, FL 32611, United States BzO Difluorocarbene, generated from TFDA, reacts with the uridine and

adenosine substrates preferentially at the enolizable amide moieties of the heterocyclic bases. It also adds to the exomethylene double bonds of sugar rings.

ÓBz

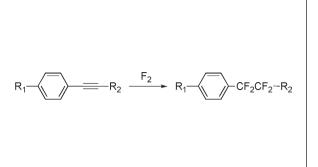




Julia Gatenyo, Shlomo Rozen

School of Chemistry, Tel-Aviv University, Tel-Aviv 69978, Israel

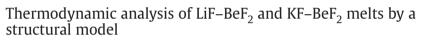
Under suitable conditions elemental fluorine can be added across the carbon–carbon triple bond of arylacetylenes forming aryltetrafluoroethane derivatives – $ArCF_2CF_2R$ – in good yields.



 $F - \frac{1}{Be} - F - \frac{1}{Be} - F + LiF = F - \frac{1}{Be} - F$

I. Fluorine Chem., 130 (2009) 332

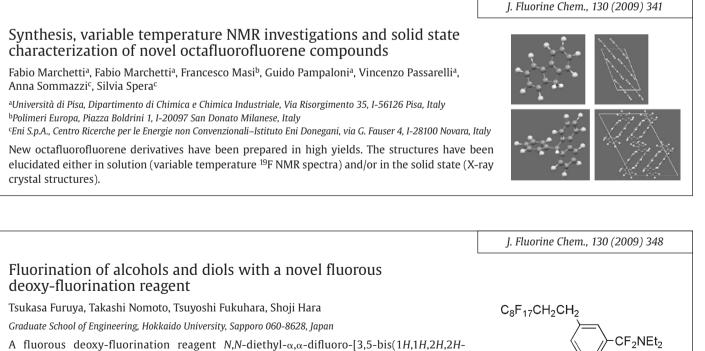
I. Fluorine Chem., 130 (2009) 336



Antonio Romero-Serrano^a, Manuel Hallen-Lopez^a, Beatriz Zeifert^a, Carlos Gomez-Yañez^b, Aurelio Hernandez-Ramirez^a

^aMetallurgy and Materials Department, ESIQIE-IPN, A. Postal 118-431, 07051 Mexico D.F., Mexico ^bMetallurgy and Materials Department, ESIQIE-IPN, A. Postal 118-593, 07051 Mexico D.F., Mexico

The evaluation of the thermodynamic properties for the binary $LiF-BeF_2$ and $KF-BeF_2$ systems are carried out with a thermodynamic model which is based on the assumption that each alkali fluoride produces the depolymerization of BeF_2 network with a characteristic free energy change.



perfluorodecyl)benzyl]amine.

C₈F₁₇CH₂CH₂

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J. Fluorine Chem., 130 (2009) 354

Perfluorocyclobutyl-based methacrylate monomers: Synthesis and radical polymerization

Yongjun Li^{a,b,c}, Sen Zhang^b, Liang Tong^b, Qingnuan Li^a, Wenxin Li^a, Guolin Lu^b, Hao Liu^b, Xiaoyu Huang^b

^aLaboratory of Nano-Biology and Medicine, Shanghai Institute of Applied Physics, Chinese Academy of Sciences, 2019 Jialuo Road, Shanghai 201800, PR China

^bKey Laboratory of Organofluorine Chemistry and Laboratory of Polymer Materials, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, PR China ^cGraduate University of Chinese Academy of Sciences, Beijing 100080, PR China

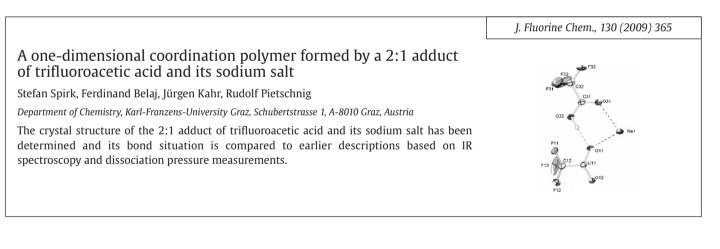
A new class of methacrylate monomers containing perfluorocyclobutyl unit was synthesized in multi-steps including crossing-dimerization, demethylation and esterification. These monomers can be polymerized in solution to provide perfluorocyclobutyl-based polymethacrylate, a kind of potential transparent material.

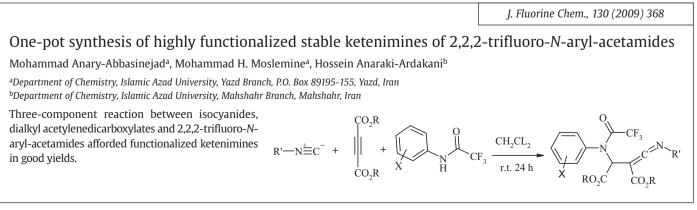


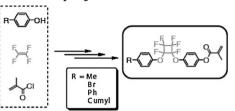
Daisuke Sukeguchi, Hideyuki Yoshiyama, Norio Shibata, Shuichi Nakamura, Takeshi Toru, Yasuhiko Hayashi, Tetsuo Soga

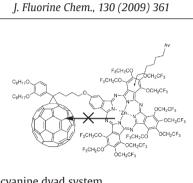
Department of Frontier Materials, Graduate School of Engineering, Nagoya Institute of Technology, Gokiso, Showa-ku, Nagoya 466-8555, Japan

Synthesis and spectroscopic investigation of trifluoroethoxy-coated phthalocyanine–fullerene dyad **2** has been described. The dyad **2**, regardless of its covalently linked dyad system, appears not to show any electronic communication between fullerene and phthalocyanine. This is a unique example that fluorine can terminate electronic communication in the covalently fullerene–phthalocyanine dyad system.









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