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Volume 124, Issue 2, 3 December 2003

JOURNAL OF FLUORINE CHEMISTRY

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Graphical Abstracts/J. Fluorine Chem. 124 (2003) v–ix

J. Fluorine Chem., **124** (2003) 119

The 1-*N*-(methoxycarbonyl-2-phenylethyl)imino-2,2,2-trifluoroethanephosphonate systems are not stable enols of carboxylic esters

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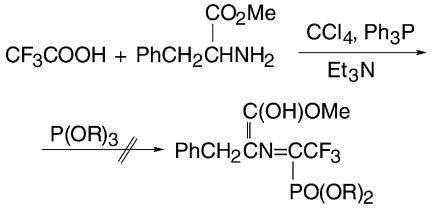

The claim that 1-*N*-(1-methoxycarbonyl-2-phenylethyl)imino-2,2,2-trifluoroethane phosphonates **2** exist as their stable enols of carboxylic esters tautomers, was refuted on three grounds, reexamination of NMR spectra, experimental results, and B3LYP calculations.

J. Fluorine Chem., **124** (2003) 123

A study of the thermal decarboxylation of three perfluoropolyether salts

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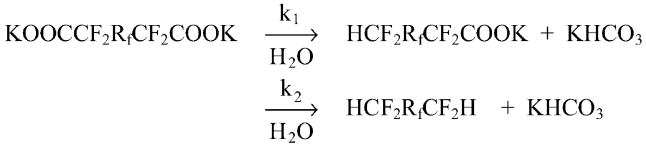

The thermal decarboxylation of $KOOCCF_2–R_f–CF_2COOK$, $R_f = –O–, –OCF_2O–, –OCF_2CF_2O–$, has been investigated and the products and kinetics of the main reactions have been defined. The experimental data showed that the two consecutive decarboxylation reactions have similar rate constants and activation energies.

J. Fluorine Chem., **124** (2003) 131

Poly-silafluoroalkyleneoligosiloxanes: a class of fluoroelastomers with low glass transition temperature

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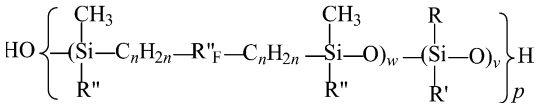

Synthesis of unsaturated poly-silafluoroalkyleneoligosiloxanes which, after crosslinking, gave elastomeric materials characterized by good flexibility at low temperature, glass transition temperature below −45°C and good thermooxidative stability, over 250°C, that are complementary to polyfluoroolefin elastomers.

doi:10.1016/S0022-1139(03)00299-9

J. Fluorine Chem., **124** (2003) 169

Synthesis of amino terminated semifluorinated long-chain alkanethiols

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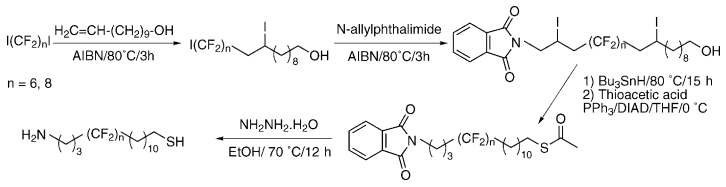

J. Fluorine Chem., **124** (2003) 177

Selective mono- and di{(perfluoroalkyl)acylation} of ferrocene

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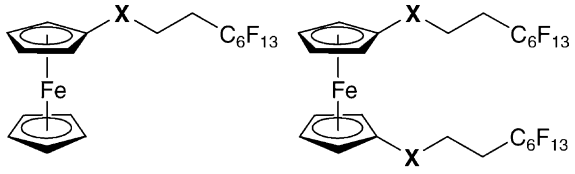

J. Fluorine Chem., **124** (2003) 183

A novel perfluoromonomer: perfluoro-2,3-dihydro-1,4-benzodioxin

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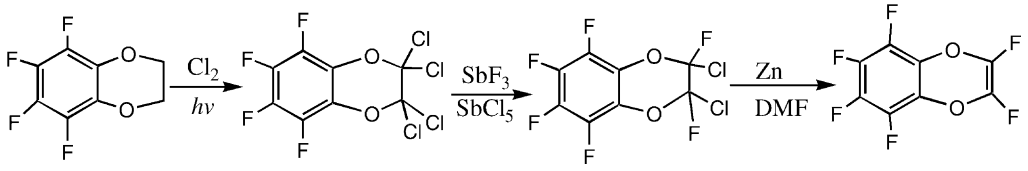

J. Fluorine Chem., **124** (2003) 189

Synthesis and solution properties of sulfate-type hybrid surfactants with a benzene ring

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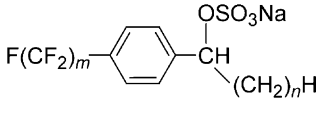
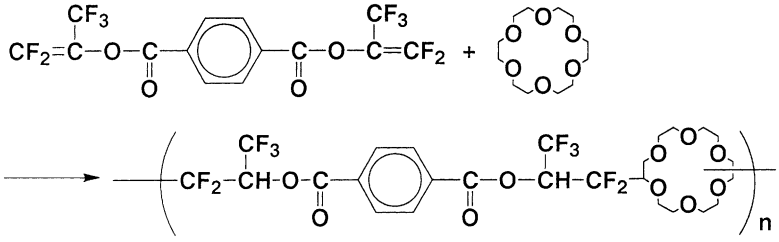
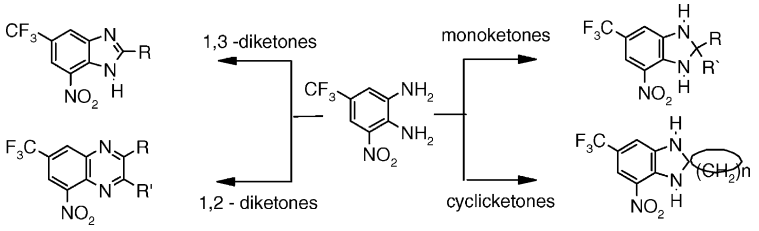


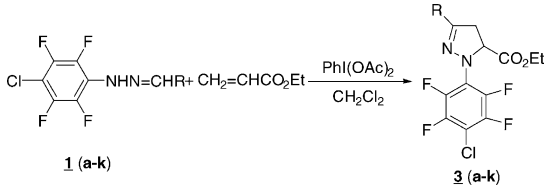
m = 4, 6, 8, *n* = 3, 5, 7

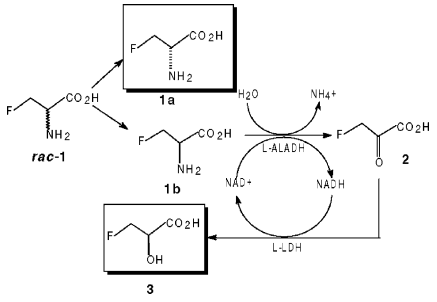
F*m*PH*n*OS

F*m*PH*n*OS aqueous solution showed low critical micelle concentration and high surface activity. Aggregation number of F*m*PH*n*OS micelles ranged from 6 to 45 and the hydrodynamic radius of the micelles was in a range of 1.4–3.1nm.









J. Fluorine Chem., **124** (2003) 229

1-Fluoro-2,4,6-trichloro-1,3,5-triazinium tetrafluoroborate: synthesis, characterization, and ability to effect electrophilic aromatic substitution

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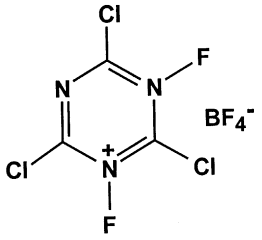
The synthesis of 1-fluoro-2,4,6-trichloro-1,3,5-triazinium tetrafluoroborate, $[(ClCN)_3F]^+[BF_4]^-$ (**1**), and its application of **1** as an electrophilic fluorinating agent are reported.



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