

Promising Prospects for Using Partially Fluorinated Alcohols as O-Nucleophilic Reagents in Organofluoric Synthesis

A. A. Il'in, A. N. Il'in, Yu. L. Bakmutov, G. G. Furin, and L. M. Pokrovskii

Galogen Open Joint-Stock Company, Perm, Russia

*Vorozhtsov Novosibirsk Institute of Organic Chemistry, Siberian Division, Russian Academy of Sciences,
Novosibirsk, Russia*

Received April 5, 2006

Abstract—Perfluoroolefins react with isopropyl alcohol under the conditions of radical initiation to form partially fluorinated aliphatic alcohols. The reactions of these alcohols with hexafluoropropylene and compounds containing labile halogen atoms (in particular, with allyl bromide and epichlorohydrin) were studied.

DOI: 10.1134/S1070427207030123