

ethers (acyclic compounds)

P 0150

20 - 048

Diisopropylethylamine Mono(hydrogen fluoride) for Nucleophilic Fluorination of Sensitive Substrates: Synthesis of Sevoflurane.

Diisopropylethylamine mono(hydrogen fluoride), prepared in situ, is shown to be an effective and selective nucleophilic fluorinating reagent when applied to halogen-exchange reactions of chloro- methyl ethers. This transformation is used for the synthesis of the volatile anesthetic sevoflurane (IIa). — (KUDZMA, LINAS V.; HUANG, CHIALANG G.; LESSOR, RALPH A.; ROZOV, LEONID A.; AFRIN, SYEDA; KALLASHI, FLORIDA; MCCUTCHEON, CONOR; RAMIG, KEITH; J. Fluorine Chem. 111 (2001) 1, 11-16; Dep. Nat. Sci., Baruch Coll., City Univ. New York, New York, NY 10010, USA; EN)

