ethers

ethers (acyclic compounds)

An Efficient and Environmentally Friendly Synthesis of the Inhala-06 - 095 tion Anesthetic Sevoflurane. — A very efficient one-pot synthesis of the title compound (IV) with 99.95% purity avoiding toxic and environmen-tally hazardous reagents is presented. This approach may be useful for the manufacture of (IV). — (BIENIARZ, CHRISTOPHER; BEHME, CHRIS; RAMAKRISHNA, KORNEPATI; J. Fluorine Chem. 106 (2000) 1, 99-102; Adv. Drug Delivery, Hosp. Prod. Div., Abbott Lab., Abbott Park, IL 60064, USA; EN)

$$\begin{array}{cccc} \text{Hip-OH} & \overbrace{0->25^{\circ}\text{C}}^{0} & \text{(II), AICI_{3}} & \text{Hip-O_CI} & \overbrace{KF, 95^{\circ}\text{C}}^{KF, 95^{\circ}\text{C}} & \text{Hip-O_F} & \text{Hip:} & \overbrace{CF_{3}}^{CF_{3}} \\ \text{I} & \text{III 90x} & \text{IV 71x} \end{array}$$

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