

Trifluoroacetaldehyde methyl hemiacetal

CAS No. 431-46-9

Trifluoroacetaldehyde methyl hemiacetal is used as an intermediate in the production of various fluorinated chemicals.

Proposed Specifications

Assay by Gas Chromatography 90% minimum
Contains up to 10% methanol

Physical Properties

Chemical Formula: $\text{CF}_3\text{CH}(\text{OH})\text{OCH}_3$
Mol. Wt.: 130.1
Boiling Pt.: 95-96 °C
Melting Pt.: Not determined
Flash Pt.: 46.1 °C
Appearance and Odor: Clear, colorless liquid with sweet odor

Packaging

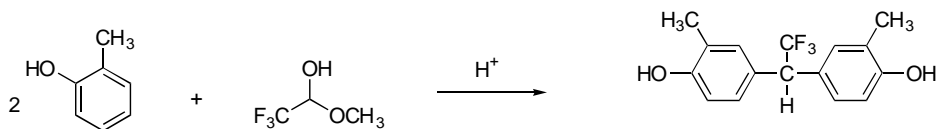
Contact Customer Service

Typical chemistry and uses

Trifluoroacetaldehyde methyl hemiacetal is an alternative to gaseous unstable trifluoroacetaldehyde. It is used as a building block in the synthesis of fluorinated molecules.

Fluorinated diphenols and method for their preparation

US 4,467,121, 1984, General Electric Company



Synthesis of methyl-1,2,2,2-tetrafluoroethyl ether, a precursor in the synthesis of inhalation anesthetic desflurane

Organofluorine Chemistry Principles and Commercial Applications, Ed. Banks, R., Smart, B.; Tatlow, J. Plenum Press, Chap. 25, Fluorinated Inhalation Anesthetics, Halpern, D., Pg. 552, 1994



Cyclic regimens using quinazoline and benzoxazine derivatives

US 6,498,154, Wyeth ; Ligand Pharmaceuticals Inc.

