



>>Entry Name: Diethylisopropyl[(trifluoromethyl)sulfonyl]oxy)silane

Synonym(s): Diethyl(1-methylethyl)silyl trifluoromethanesulfonate, 12Cl

CAS Registry Number: 126889-55-2

$\text{F}_3\text{CSO}_2\text{OSiEt}_2\text{CHMe}_2$

Molecular Formula: $\text{C}_8\text{H}_{17}\text{F}_3\text{O}_3\text{SSi}$

Molecular Weight: 278.367

Accurate Mass: 278.061976

Percentage Composition: C 34.52%; H 6.16%; F 20.47%; O 17.24%; S 11.52%; Si 10.09%

Source/Synthesis: Synth. from $\text{Pr}^i\text{SiClEt}_2 + \text{F}_3\text{CSO}_2\text{OH}$

Use/Importance: Reagent for protection of alcohols as their diethylisopropylsilyl ethers

Boiling Point: $\text{Bp}_{2.5}$ 60-62°

References:

Toshiba, K. *et al.*, *Tet. Lett.*, 1989, **30**, 6413-6416, (*synth, use*)