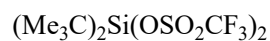




>>Entry Name: Di-*tert*-butylsilyl bis(trifluoromethanesulfonate)

Synonym(s): Bis(1,1-dimethylethyl)silylene trifluoromethanesulfonate, 9CI. Di-*tert*-butylbis(trifluoromethanesulfonato-*O*)silane

CAS Registry Number: 85272-31-7



Molecular Formula: C₁₀H₁₈F₆O₆S₂Si

Molecular Weight: 440.457

Accurate Mass: 440.021825

Percentage Composition: C 27.27%; H 4.12%; F 25.88%; O 21.79%; S 14.56%; Si 6.38%

Source/Synthesis: Synth. from Bu^t₂SiHCl + F₃COSO₂H

Use/Importance: Reagent for protection of 1,2-, 1,3- and 1,4-diols and for the characterisation of bifunctional compds. by gc-ms

Physical Description: Pale yellow liq.

Boiling Point: Bp_{0.35} 73.5-74.5°

Aldrich: 26202-1

Fluka: 34835

References:

Corey, E.J. *et al.*, *Tet. Lett.*, 1982, **23**, 4871, (*synth, pmr, use, protection of diols*)

Brooks, C.W.J. *et al.*, *Analyst (London)*, 1985, **110**, 587, (*use*)