



>>Entry Name: Triethylsilyl trifluoromethanesulfonate, 10Cl

Synonym(s): Triethylsilyl triflate

CAS Registry Number: 79271-56-0

$\text{F}_3\text{CSO}_3\text{SiEt}_3$

Molecular Formula: $\text{C}_7\text{H}_{15}\text{F}_3\text{O}_3\text{SSi}$

Molecular Weight: 264.34

Accurate Mass: 264.046326

Percentage Composition: C 31.81%; H 5.72%; F 21.56%; O 18.16%; S 12.13%; Si 10.62%

Source/Synthesis: Synth. from $\text{F}_3\text{CSO}_3\text{H} + \text{Et}_3\text{SiCl}$

Use/Importance: Silylating agent for ketones

Boiling Point: Bp_{10} 72°

Aldrich: 27947-1

Fluka: 91743

References:

Emde, H. *et al.*, *Synthesis*, 1982, 1, (*synth, use*)

Bassindale, A.R. *et al.*, *J. Organomet. Chem.*, 1984, **271**, C1, (*pmr, Si-29 nmr*)