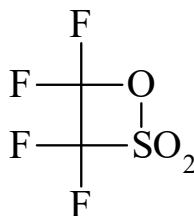




>>Entry Name: 3,3,4,4-Tetrafluoro-1,2-oxathietane 2,2-dioxide, 9CI

Synonym(s): 1,1,2,2-Tetrafluoro-2-hydroxyethanesulfonic acid β -sultone. Tetrafluoroethane β -sultone



CAS Registry Number: 697-18-7

Molecular Formula: $C_2F_4O_3S$

Molecular Weight: 180.08

Accurate Mass: 179.950427

Percentage Composition: C 13.34%; F 42.20%; O 26.65%; S 17.81%

Melting Point: Mp -35°

Boiling Point: Bp $40.5-41^\circ$

Density: d_4^0 1.692. d_4^{25} 1.622

Refractive Index: n_D^{20} 1.3050

References:

England, D.C. *et al.*, *J.A.C.S.*, 1960, **82**, 6181, (*synth*, *F-19 nmr*)

Belaventsev, M.A. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1965, 1613, (*synth*)

Knunyants, I.L. *et al.*, *Angew. Chem., Int. Ed.*, 1972, **11**, 583, (*bibl*, *synth*, *props*)

Sokol'skii, G.A., *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1976, 1050, (*conformn*)

Castro, V. *et al.*, *Magn. Reson. Chem.*, 1990, **28**, 998, (*cmr*)