



>>Entry Name: Trifluoroborane dibutyl ether

Synonym(s): Trifluoro[1,1'-oxybis[butane]]boron, 10Cl. 1,1'-Oxybis[butane] compd. with trifluoroborane(1:1), 9Cl. Butyl ether compd. with boron fluoride(BF₃)(1:1), 8Cl

CAS Registry Number: 593-04-4

(H₃CCH₂CH₂CH₂)₂O-BF₃

Molecular Formula: C₈H₁₈BF₃O

Molecular Weight: 198.036

Accurate Mass: 198.140279

Percentage Composition: C 48.52%; H 9.16%; B 5.46%; F 28.78%; O 8.08%

Use/Importance: Catalyst in polymerisation reactions

Physical Description: Moisture-sensitive liq.

Melting Point: Fp -30°

Aldrich: 30791-2

References:

Palko, A.A. *et al.*, *J. Chem. Phys.*, 1967, **46**, 2297

Topchii, V.A. *et al.*, *Zh. Obshch. Khim.*, 1969, **39**, 2689

Fратиello, A. *et al.*, *J.O.C.*, 1972, **37**, 2237, (*nmr*)

Voloshchuk, A.M. *et al.*, *Kernenergie*, 1974, **17**, 121

Borovikov, Y.Y. *et al.*, *Zh. Obshch. Khim.*, 1980, **50**, 2531

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