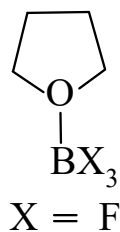




>>Entry Name: Trifluoro(tetrahydrofuran)boron, 10Cl

Synonym(s): Tetrahydrofuran compd. with trifluoroborane (1:1), 9Cl. Tetrahydrofuran compd. with boron fluoride (BF₃) (1:1), 8Cl. Trifluoroborane tetrahydrofuran



CAS Registry Number: 462-34-0

Molecular Formula: C₄H₈BF₃O

Molecular Weight: 139.913

Accurate Mass: 140.062029

Percentage Composition: C 34.34%; H 5.76%; B 7.73%; F 40.74%; O 11.44%

Use/Importance: Catalyst

Physical Description: Moisture-sensitive white solid or colourless liq.

Melting Point: Mp 12°

Aldrich: 43428-0

References:

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Begun, G.M. *et al.*, *J. Chem. Phys.*, 1963, **38**, 2112, (*Raman, ir*)

Fratiello, A. *et al.*, *Inorg. Chem.*, 1969, **8**, 480, (*pmr*)

Krysin, A.P. *et al.*, *Izv. Sib. Otd. Akad. Nauk SSSR, Ser. Khim. Nauk*, 1977, 151

Hui, B.C., *Inorg. Chem.*, 1980, **19**, 3185, (*use*)

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