



>>Entry Name: Trifluoroborane methanol

Synonym(s): Trifluoro(methanol)boron, 10Cl. Methanol compd. with trifluoroborane(1:1), 9Cl. Methanol compd. with boron fluoride(BF₃)(1:1), 8Cl

CAS Registry Number: 373-57-9

MeOH-BF₃

Molecular Formula: CH₄BF₃O

Molecular Weight: 99.848

Accurate Mass: 100.030729

Percentage Composition: C 12.03%; H 4.04%; B 10.83%; F 57.08%; O 16.02%

Use/Importance: Catalyst for a variety of reactions

Physical Description: Moisture-sensitive

Aldrich: 13482-1

Sigma: B6782

References:

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

Jao, L.K.Y., *Diss. Abstr. Int., B*, 1973, **34**, 2524; *CA*, **80**, 94809x, (*nmr*)

Burya, G.F. *et al.*, *Zh. Fiz. Khim.*, 1975, **49**, 1227, (*ir*)

Derouault, J. *et al.*, *J. Mol. Struct.*, 1978, **47**, 59, (*ir, Raman*)

Derouault, J. *et al.*, *Spectrochim. Acta A*, 1979, **35**, 773, (*ir, Raman*)