



>>Entry Name: Trihydro(pyridine)boron, 10Cl

Synonym(s): Borane pyridine. Pyridine compd. with borane(1:1), 9Cl, 8Cl

CAS Registry Number: 110-51-0

BH₃Py

Molecular Formula: C₅H₈BN

Molecular Weight: 92.936

Accurate Mass: 93.074979

Percentage Composition: C 64.62%; H 8.68%; B 11.63%; N 15.07%

Use/Importance: Germicide, fungicide, and protozoicide, used in photographic colour development of reversal films. Reducing agent. Commercially available

Physical Description: Liq.

Melting Point: Mp 10-11°

Refractive Index: n_D²⁰ 1.5315

Hazard & Toxicity: Toxic, flammable

Aldrich: 17975-2

Fluka: 15588

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1130A, (*ir*)

Brey, W.S. *et al.*, *Adv. Chem. Ser.*, 1964, **42**, 100, (*nmr*)

Hoffmann, R., *J. Chem. Phys.*, 1964, **40**, 2474, (*struct*)

Hermanek, S. *et al.*, *Coll. Czech. Chem. Comm.*, 1966, **31**, 1281, (*chromotog*)

Andrews, G.C., *Tet. Lett.*, 1980, **21**, 697

Schaefer, T. *et al.*, *Can. J. Chem.*, 1981, **59**, 3026, (*struct*)

Pelter, A. *et al.*, *Chem. Comm.*, 1981, 1014

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, POQ250