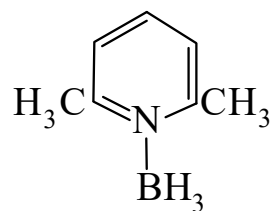




>>Entry Name: (2,6-Dimethylpyridine)trihydroboron, 10Cl

Synonym(s): 2,6-Dimethylpyridine, compd. with borane (1:1), 9Cl. 2,6-Lutidine, compd. with borane (1:1), 8Cl. Borane 2,6-dimethylpyridine



CAS Registry Number: 3999-42-6

Molecular Formula: C₇H₁₂BN

Molecular Weight: 120.989

Accurate Mass: 121.106279

Percentage Composition: C 69.49%; H 10.00%; B 8.94%; N 11.58%

Use/Importance: Stereoselective reducing agent

Physical Description: White cryst. solid

Melting Point: Mp 112-114° (106-107°)

Solubility: V. sol. THF, MeOH; insol. hexane

Aldrich: 18041-6

References:

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

Ryschkewitsch, G.E. *et al.*, *Inorg. Chem.*, 1965, **4**, 575, (*props*)

Brown, H.C. *et al.*, *J.A.C.S.*, 1966, **88**, 2520

Mooney, E.F. *et al.*, *J. Inorg. Nucl. Chem.*, 1968, **30**, 1439, (*synth, nmr*)

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Andrews, G.C. *et al.*, *Tet. Lett.*, 1980, **21**, 693; 697, (*use*)