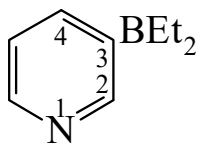




>>Entry Name: **3-(Diethylboryl)pyridine**, 11CI

Synonym(s): Diethyl(3-pyridyl)borane



CAS Registry Number: 89878-14-8

Molecular Formula: C₉H₁₄BN

Molecular Weight: 147.027

Accurate Mass: 147.121929

Percentage Composition: C 73.52%; H 9.60%; B 7.35%; N 9.53%

Source/Synthesis: Synth. from 3-lithiopyridine + Diethylmethoxyborane [FHW48-X](#)

Use/Importance: Used in synth. of 3-aryl- and 3-heteroarylpyridines

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 160-162°

Aldrich: 31636-9

References:

Terashima, M. *et al.*, *Chem. Pharm. Bull.*, 1983, **31**, 4573, (*synth, pmr, cmr, ms*)

Ishikura, M. *et al.*, *Heterocycles*, 1984, **22**, 2471, (*synth*)

Ishikura, M. *et al.*, *Synthesis*, 1984, 936, (*use*)

Sugihara, Y. *et al.*, *Chem. Comm.*, 1994, 1925, (*cryst struct*)