



>>Entry Name: Ethyldihydroxyborane

Synonym(s): Ethylboronic acid, 12Cl, 9Cl. Ethylboric acid. Ethaneboronic acid

CAS Registry Number: 4433-63-0

EtB(OH)₂

Molecular Formula: C₂H₇BO₂

Molecular Weight: 73.887

Accurate Mass: 74.05391

Percentage Composition: C 32.51%; H 9.55%; B 14.63%; O 43.31%

Use/Importance: Fungicide and fuel additive. Acetylcholinesterase inhibitor. Useful for protection of diols

Physical Description: Cryst. (Et₂O)

Boiling Point: Subl. 40°

References:

Khotinsky, E. *et al.*, *Ber.*, 1909, **42**, 3095, (*synth*)

Ger. Pat., 1957, 1 111 181; *CA*, **56**, 8742, (*synth*)

Washburn, R.M. *et al.*, *Adv. Sci.*, 1961, **32**, 208, (*synth*)

Nöth, H. *et al.*, *J. Organomet. Chem.*, 1968, **12**, 23, (*pmr*)

Jarv, J. *et al.*, *Bioorg. Khim.*, 1978, **4**, 1364, (*pharmacol*)

Inorg. Synth., 1986, **24**, 83, (*synth*)