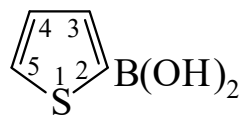




>>Entry Name: Dihydroxy-2-thienylborane

Synonym(s): 2-Thienylboronic acid, 9CI. 2-Thiopheneboronic acid



CAS Registry Number: 6165-68-0

Molecular Formula: $C_4H_5BO_2S$

Molecular Weight: 127.959

Accurate Mass: 128.01033

Percentage Composition: C 37.55%; H 3.94%; B 8.45%; O 25.01%; S 25.06%

Source/Synthesis: Synth. from 2-thienylmagnesium bromide or bis(2-thienyl)mercury + BH_3 followed by hydrol.

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 133-134°

Aldrich: 43683-6

References:

Johnson, J.R. *et al.*, *J.A.C.S.*, 1938, **60**, 111, (*synth*)

Breuer, S.W. *et al.*, *Tet. Lett.*, 1974, 3719, (*synth*)

Kabalka, G.W. *et al.*, *J. Organomet. Chem.*, 1983, **259**, 269, (*synth*)