



>>Entry Name: Dihydroxy-3-thienylborane

Synonym(s): 3-Thienylboronic acid, 9Cl. 3-Thiopheneboronic acid

CAS Registry Number: 6165-69-1

Structure by analogy with Dihydroxy-2-thienylborane, [NGX31-V](#)

Molecular Formula: C₄H₅BO₂S

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 3-thienyllithium + B(OBu)₃ followed by hydrol.

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 162-164°

Aldrich: 43684-4

References:

Lawesson, S.-O., *Ark. Kemi*, 1957, **11**, 387; *CA*, **52**, 1136f, (*synth*)