



>>Entry Name: 1,4-Phenylenebis(dihydroxyborane)

Synonym(s): 1,4-Phenylenebis(boronic acid), 9Cl. 1,4-Benzenediboronic acid, 8Cl

CAS Registry Number: 4612-26-4

Molecular Formula: $C_6H_8B_2O_4$

Molecular Weight: 165.749

Accurate Mass: 166.06087

Percentage Composition: C 43.48%; H 4.86%; B 13.05%; O 38.61%

Source/Synthesis: Synth. from 1,4-(BrMg) $_2$ C $_6$ H $_4$ + B(OMe) $_3$ followed by hydrol.

Physical Description: Cryst. (H $_2$ O)

Melting Point: Mp 420°

Aldrich: 41713-0

References:

Nielsen, D.R. *et al.*, *J.A.C.S.*, 1957, **79**, 3081, (*synth*)

Coutts, I.G.C. *et al.*, *J.C.S.(C)*, 1970, 488, (*synth*)

Morgan, J. *et al.*, *J.C.S. Perkin 1*, 1990, 715, (*pmr*)

Todd, M.H. *et al.*, *Tet. Lett.*, 1997, **38**, 6781-6784, (*synth*)