



>>Entry Name: **3-Biphenylboronic acid**

Synonym(s): [1,1'-Biphenyl]-3-ylboronic acid, 12Cl. Biphenyl-3-yl-dihydroxyborane. 3-(Dihydroxyboryl)biphenyl

CAS Registry Number: 5122-95-2

Molecular Formula: C₁₂H₁₁BO₂

Molecular Weight: 198.029

Accurate Mass: 198.08521

Percentage Composition: C 72.78%; H 5.60%; B 5.46%; O 16.16%

Source/Synthesis: Synth. from 3-PhC₆H₄MgBr + B(OBu)₃, followed by hydrol.

Physical Description: Plates (C₆H₆)

Melting Point: Mp 208-210°

References:

Yabroff, D.L. *et al.*, *J.A.C.S.*, 1934, **56**, 1850, (*synth*)

Bowie, R.A. *et al.*, *J.C.S.(C)*, 1966, 566, (*synth*)

Kelly, T.R. *et al.*, *J.A.C.S.*, 1990, **112**, 8024, (*synth, ir, pmr*)