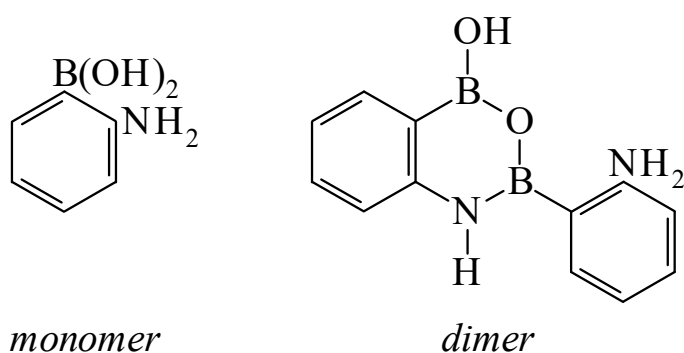




>>Entry Name: (2-Aminophenyl)dihydroxyborane

Synonym(s): 2-Aminophenylboronic acid, 10Cl



CAS Registry Number: 5570-18-3

Molecular Formula: $C_6H_8BNO_2$

Molecular Weight: 136.946

Accurate Mass: 137.064809

Percentage Composition: C 52.62%; H 5.89%; B 7.89%; N 10.23%; O 23.37%

General Statement: Exists as a monomer in H_2O or DMSO aq. but as a didehydro dimer in dry DMSO and in the solid state

Source/Synthesis: Synth. by H_2 /Pd-C redn. of Dihydroxy(2-nitrophenyl)borane [FHM36-U](#)

>>Derivative: Didehydro dimer

Synonym(s): 2-(1,4-Dihydro-1-hydroxy-3*H*-2,4,1,3-benzoxazadiborin-3-yl)benzenamine, 13Cl

CAS Registry Number: 157524-37-3

Molecular Formula: $C_{12}H_{12}B_2N_2O_2$

Molecular Weight: 237.861

Accurate Mass: 238.108488

Percentage Composition: C 60.60%; H 5.08%; B 9.09%; N 11.78%; O 13.45%

Physical Description: Dark yellow cryst. (MeOH aq.)

Melting Point: Mp 166-166.5°

References:

Groziak, M.P. *et al.*, *J.A.C.S.*, 1994, **116**, 7597, (*synth*, *pmr*, *cmr*)