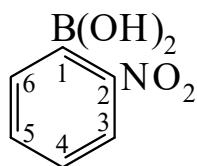




>>Entry Name: Dihydroxy(2-nitrophenyl)borane

Synonym(s): (2-Nitrophenyl)boronic acid, 12Cl, 9Cl. *o*-Nitrobenzeneboronic acid, 8Cl



CAS Registry Number: 5570-19-4

Molecular Formula: C₆H₆BNO₄

Molecular Weight: 166.929

Accurate Mass: 167.038989

Percentage Composition: C 43.17%; H 3.62%; B 6.48%; N 8.39%; O 38.34%

Use/Importance: Chemosterilant for insects; enzyme inhibitor

Physical Description: Yellow needles

Melting Point: Mp 147.5° (140-142°)

Solubility: Sol. EtOH, Et₂O; mod. sol. H₂O

References:

Seaman, W. *et al.*, *J.A.C.S.*, 1931, **53**, 714, (*synth*)

Kuivila, H.G. *et al.*, *J.A.C.S.*, 1957, **79**, 5659, (*props, use*)

Verbit, L. *et al.*, *Tet. Lett.*, 1966, 1053, (*synth*)

Settepani, J.A. *et al.*, *J. Med. Chem.*, 1970, **13**, 128, (*use*)

Carna, J., *FEBS Lett.*, 1980, **119**, 343, (*use*)

Singhal, R.P. *et al.*, *J. Chromatogr.*, 1991, **543**, 17, (*use*)