



>>Entry Name: Dihydroxy(4-nitrophenyl)borane

Synonym(s): (4-Nitrophenyl)boronic acid, 9CI

CAS Registry Number: 24067-17-2

Structure by analogy with Dihydroxy(2-nitrophenyl)borane, [FHM36-U](#)

Molecular Formula: $C_6H_6BNO_4$

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%

Source/Synthesis: Formed in low yield by nitration of Phenyldihydroxyborane [GGH09-T](#)

Physical Description: Yellow needles (H₂O)

Melting Point: Mp 305 dec.°

References:

Seaman, W. *et al.*, *J.A.C.S.*, 1931, **53**, 711, (*synth*)

Beachell, H.C. *et al.*, *Inorg. Chem.*, 1964, **3**, 1028, (*pmr*)