



>>Entry Name: (4-Ethenylphenyl)dihydroxyborane

Synonym(s): (4-Ethenylphenyl)boronic acid, 12Cl, 9Cl. *p*-Vinylbenzeneboronic acid, 8Cl. *p*-Styrylboronic acid. *p*-Vinylphenylboronic acid

CAS Registry Number: 2156-04-9

Structure by analogy with (2-Ethenylphenyl)dihydroxyborane, [FHM72-C](#)

Molecular Formula: C₈H₉BO₂

Molecular Weight: 147.969

Accurate Mass: 148.06956

Percentage Composition: C 64.94%; H 6.13%; B 7.31%; O 21.63%

Use/Importance: Binder for paper, glass, wood and rubber. Used as adhesive and in production of optical devices; forms copolymers with styrene

Physical Description: Cryst. (H₂O)

Melting Point: Mp 188-189°

Aldrich: 41758-0

References:

Hawkins, R.T. *et al.*, *J.A.C.S.*, 1960, **82**, 3053, (*pmr*)

Wesley, J.D. *et al.*, *J.O.C.*, 1962, **27**, 2598, (*synth, ir*)

U.S. Pat., 1962, 3 025 274; *CA*, **57**, 6143b, (*use*)

Ger. Pat., 1963, 1 147 230; *CA*, **59**, 10117e, (*use, synth*)

Armstrong, D.R. *et al.*, *J.C.S.(A)*, 1967, 123, (*struct, uv, props*)

Hartmann, M. *et al.*, *Makromol. Chem.*, 1976, **177**, 131; *CA*, **84**, 74704p, (*use*)

Gainsford, G.J. *et al.*, *Acta Cryst. C*, 1995, **51**, 2694, (*cryst struct*)