



>>Entry Name: (3-Ethenylphenyl)dihydroxyborane

Synonym(s): (3-Ethenylphenyl)boronic acid, 10Cl. *m*-Vinylbenzeneboronic acid, 8Cl. *m*-Styrylboronic acid. *m*-Vinylphenylboronic acid

CAS Registry Number: 15016-43-0

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

Physical Description: White plates (H₂O)

Melting Point: Mp 145-160° (144-145°)

References:

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*)

Rajwar, D.C. *et al.*, *CA*, 1980, **93**, 174751f, (*props*)