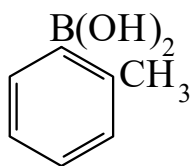




>>Entry Name: Dihydroxy(2-methylphenyl)borane

Synonym(s): (2-Methylphenyl)boronic acid, 12Cl. *o*-Tolueneboronic acid, 8Cl. Dihydroxy-*o*-tolylborane



CAS Registry Number: 16419-60-6

Molecular Formula: C₇H₉BO₂

Molecular Weight: 135.958

Accurate Mass: 136.06956

Percentage Composition: C 61.84%; H 6.67%; B 7.95%; O 23.54%

Solubility: Sol. hexane, H₂O

Aldrich: 39360-6

>>Derivative: *O,O*-Di-Me

Synonym(s): *o*-Tolyldimethoxyborane

Molecular Formula: C₉H₁₃BO₂

Molecular Weight: 164.011

Accurate Mass: 164.10086

Percentage Composition: C 65.91%; H 7.99%; B 6.59%; O 19.51%

Source/Synthesis: Obt. by methanolysis

Physical Description: Moisture-sensitive cryst.

Boiling Point: Bp₉ 74-75°

Solubility: Sol. C₆H₆

Density: d₄²⁵ 0.98

Refractive Index: n_D²⁵ 1.4870

References:

Washburn, R.M. *et al.*, *Adv. Chem. Ser.*, 1961, **32**, 208

Skowronska-Serafinowa, B. *et al.*, *Pol. J. Chem. (Rocz. Chem.)*, 1961, **937**, 35, (*ir*)

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

Dang, Q.Q., *C. R. Hebd. Seances Acad. Sci. Ser. C*, 1969, **24**, 269, (*uv*)

Ramsey, B.G., *J. Phys. Chem.*, 1970, **74**, 2464, (*props*)

Bullen, N.P. *et al.*, *J. Organomet. Chem.*, 1980, **195**, 147, (*synth*)