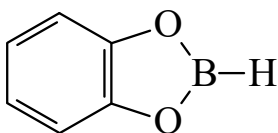




>>Entry Name: 1,3,2-Benzodioxaborole, 10Cl, 9Cl

Synonym(s): Catecholborane



CAS Registry Number: 274-07-7

Molecular Formula: C<sub>6</sub>H<sub>5</sub>BO<sub>2</sub>

Molecular Weight: 119.915

Accurate Mass: 120.03826

Percentage Composition: C 60.10%; H 4.20%; B 9.02%; O 26.68%

Use/Importance: Commercially available hydroborating agent; β-hydroxyketones → 1,3-diols; reagent for conjugate redn. of α,β-enones

Physical Description: Moisture-sensitive liq.

Melting Point: Mp 12°

Boiling Point: Bp<sub>156</sub> 88°. Bp<sub>80</sub> 66°. Bp<sub>50</sub> 50°

Density: d<sub>4</sub><sup>20</sup> 1.27

Refractive Index: n<sub>D</sub><sup>20</sup> 1.5070

Aldrich: 18891-3

Fluka: 12346

Sigma: B3792

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