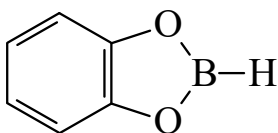




>>Entry Name: **1,3,2-Benzodioxaborole**, 10Cl, 9Cl

Synonym(s): Catecholborane



CAS Registry Number: 274-07-7

Molecular Formula: C₆H₅BO₂

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: Bp₁₅₆ 88°. Bp₈₀ 66°. Bp₅₀ 50°

Density: d₄²⁰ 1.27

Refractive Index: n_D²⁰ 1.5070

Aldrich: 18891-3

Fluka: 12346

Sigma: B3792

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