



>>Entry Name: Dicyclohexyliodoborane, 9CI

CAS Registry Number: 55382-85-9

Cy₂BI

Molecular Formula: C₁₂H₂₂BI

Molecular Weight: 304.021

Accurate Mass: 304.085928

Percentage Composition: C 47.41%; H 7.29%; B 3.56%; I 41.74%

Source/Synthesis: Synth. from Cy₂BH + I₂

Use/Importance: Reagent for stereoselective synth. of either (*Z*)- or (*E*)-enolates from esters and tertiary amides

Physical Description: Liq.

Boiling Point: Bp_{1.25} 198-200°

Aldrich: 41691-6

References:

Ganesan, K. *et al.*, *J.O.C.*, 1994, **59**, 2336, (*synth, pmr, cmr, B-11 nmr, use*)

Brown, H.C. *et al.*, *J.O.C.*, 1994, **59**, 7346, (*use*)