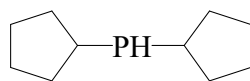




>>Entry Name: Dicyclopentylphosphine, 9CI



CAS Registry Number: 39864-68-1

Related CAS Registry Numbers(s): 52911-38-3

Molecular Formula: C₁₀H₁₉P

Molecular Weight: 170.234

Accurate Mass: 170.122437

Percentage Composition: C 70.56%; H 11.25%; P 18.19%

Physical Description: Liq.

Boiling Point: Bp₁₅ 115°. Bp_{0.8} 76-78°

Refractive Index: n_D²⁰ 1.5110

>>Derivative: Methiodide

Synonym(s): Dicyclopentylmethylphosphonium iodide

Molecular Formula: C₁₁H₂₂IP

Molecular Weight: 312.173

Accurate Mass: 312.050385

Percentage Composition: C 42.32%; H 7.10%; I 40.65%; P 9.92%

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 156-159°

References:

Strecker, R.A. *et al.*, *J.A.C.S.*, 1973, **95**, 210, (*synth*)

Brandsma, L. *et al.*, *Synth. Commun.*, 1994, **24**, 3219, (*synth*)