



>>Entry Name: Dipentylphenylphosphine, 9CI

Synonym(s): Diamylphenylphosphine

CAS Registry Number: 71501-08-1

Type of Compound Code(s): AC0300

PhP[(CH₂)₄CH₃]₂

Molecular Formula: C₁₆H₂₇P

Molecular Weight: 250.363

Accurate Mass: 250.185037

Percentage Composition: C 76.76%; H 10.87%; P 12.37%

Use/Importance: Ligand for Pd

Physical Description: Liq.

Boiling Point: Bp₅₀ 210°

Solubility: Part. misc. with EtOH at 15°

>>Derivative: Methiodide

Synonym(s): Methyldipentylphenylphosphonium iodide

Type of Compound Code(s): AC0600

Molecular Formula: C₁₇H₃₀IP

Molecular Weight: 392.302

Accurate Mass: 392.112985

Percentage Composition: C 52.05%; H 7.71%; I 32.35%; P 7.90%

Physical Description: Leaflets (H₂O)

Melting Point: Mp 90.5°

References:

Davies, W.C. *et al.*, *J.C.S.*, 1929, 1262