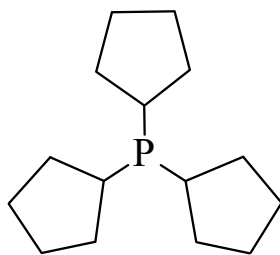




>>Entry Name: Tricyclopentylphosphine



CAS Registry Number: 7650-88-6

Molecular Formula: C₁₅H₂₇P

Molecular Weight: 238.352

Accurate Mass: 238.185037

Percentage Composition: C 75.59%; H 11.42%; P 12.99%

Use/Importance: Ligand for Co, Ni, Os, Pd, Pt and Re

Physical Description: Liq.

Boiling Point: Bp_{0.01} 113-116°

>>Derivative: Methiodide

Synonym(s): Methyltricyclopentylphosphonium iodide

Molecular Formula: C₁₆H₃₀IP

Molecular Weight: 380.291

Accurate Mass: 380.112985

Percentage Composition: C 50.53%; H 7.95%; I 33.37%; P 8.14%

Physical Description: Solid

Melting Point: Mp 293-294°

References:

Fluck, E. *et al.*, *Z. Anorg. Allg. Chem.*, 1967, **354**, 139, (*P-31 nmr, derivs*)

Fluck, E. *et al.*, *Z. Naturforsch., B*, 1967, **22**, 1095, (*P-31 nmr, derivs*)

Brainard, R.L. *et al.*, *Organometallics*, 1986, **5**, 1481, (*synth*)