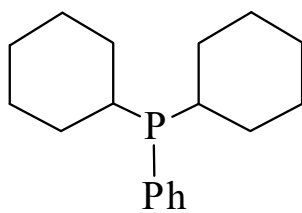




>>Entry Name: Dicyclohexylphenylphosphine, 9CI



CAS Registry Number: 6476-37-5

Molecular Formula: C₁₈H₂₇P

Molecular Weight: 274.385

Accurate Mass: 274.185037

Percentage Composition: C 78.79%; H 9.92%; P 11.29%

Use/Importance: Ligand for Cr, Hg, and Group VIII metals

Physical Description: Foul-smelling cryst. (Me₂CO or EtOH)

Melting Point: Mp 57-58°

pKa Value: pK_a 3.4

Aldrich: 28828-4

>>Derivative: Oxide

Molecular Formula: C₁₈H₂₇OP

Molecular Weight: 290.384

Accurate Mass: 290.179952

Percentage Composition: C 74.45%; H 9.37%; O 5.51%; P 10.67%

Physical Description: Cryst. (petrol or EtOH)

Melting Point: Mp 165°. Mp 187-188°

>>Derivative: Sulfide

Molecular Formula: C₁₈H₂₇PS

Molecular Weight: 306.451

Accurate Mass: 306.157107

Percentage Composition: C 70.55%; H 8.88%; P 10.11%; S 10.46%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 168°

References:

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