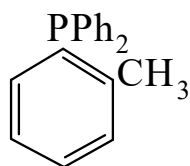




>>Entry Name: (2-Methylphenyl)diphenylphosphine, 9Cl

Synonym(s): Diphenyl-*o*-tolylphosphine, 8Cl



CAS Registry Number: 5931-53-3

Molecular Formula: C₁₉H₁₇P

Molecular Weight: 276.317

Accurate Mass: 276.106787

Percentage Composition: C 82.59%; H 6.20%; P 11.21%

Use/Importance: Ligand for metals of Groups IB, VIB, and VIII

Physical Description: Air-stable cryst. (EtOH)

Melting Point: Mp 73° (67-68°)

>>Derivative: Oxide

CAS Registry Number: 6840-26-2

Molecular Formula: C₁₉H₁₇OP

Molecular Weight: 292.316

Accurate Mass: 292.101702

Percentage Composition: C 78.07%; H 5.86%; O 5.47%; P 10.60%

Physical Description: Cryst. (cyclohexane or Me₂CO)

Melting Point: Mp 124-125°

>>Derivative: Sulfide

CAS Registry Number: 20676-80-6

Molecular Formula: C₁₉H₁₇PS

Molecular Weight: 308.383

Accurate Mass: 308.078857

Percentage Composition: C 74.00%; H 5.56%; P 10.04%; S 10.40%

Other Data: Forms Cd complexes

>>Derivative: Selenide

CAS Registry Number: 75492-61-4

Molecular Formula: C₁₉H₁₇PSe

Molecular Weight: 355.277

Accurate Mass: 356.023307

Percentage Composition: C 64.23%; H 4.82%; P 8.72%; Se 22.22%

Physical Description: Cryst. (butanol)

Melting Point: Mp 149-150°

Other Data: Forms Cd complexes

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