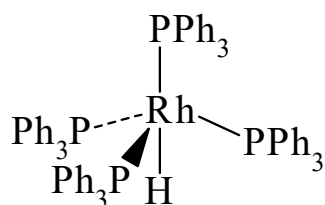




>>Entry Name: Hydrotetrakis(triphenylphosphine)rhodium(I), 10Cl

Synonym(s): Hydridotetrakis(triphenylphosphine)rhodium(I)



CAS Registry Number: 18284-36-1

Molecular Formula: C₇₂H₆₁P₄Rh

Molecular Weight: 1153.074

Accurate Mass: 1152.277873

Percentage Composition: C 75.00%; H 5.33%; P 10.74%; Rh 8.92%

Use/Importance: Catalyst for the hydrogenation and hydrosilylation of olefins, additions across Rh-H etc.

Physical Description: Yellow cryst. (toluene)

Melting Point: Mp 145-147°. Mp 162-163 , 168° (154-155° under N₂)

Solubility: Sol. C₆H₆, CHCl₃

Other Data: Ir ν_{RhH} 2147 cm⁻¹ (nujol)

Aldrich: 33508-8

>>Derivative: C₆H₆ complex (2:1)

CAS Registry Number: 27102-75-6

Molecular Formula: C₁₅₀H₁₂₈P₈Rh₂

Molecular Weight: 2384.262

Percentage Composition: C 75.56%; H 5.41%; P 10.39%; Rh 8.63%

Physical Description: Orange cryst. (C₆H₆)

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