



>>Entry Name: Dichlorobis(triphenylphosphine)cobalt, 9Cl

Synonym(s): Bis(triphenylphosphine)cobalt(II) chloride

CAS Registry Number: 14126-40-0

CoCl2(PPh3)2

Molecular Formula: C36H30Cl2CoP2

Molecular Weight: 654.419

Accurate Mass: 653.053176

Percentage Composition: C 66.07%; H 4.62%; Cl 10.83%; Co 9.01%; P 9.47%

General Statement: Pseudotetrahedral struct.

Physical Description: Dark blue solid

Solubility: Sol. CH2Cl2

Other Data: Paramagnetic

Aldrich: 26267-6

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 1303C, (ir)

Cotton, F.A. *et al.*, *J.A.C.S.*, 1961, **83**, 1780, (synth, uv, magnetism)

Tomlinson, A.A.G. *et al.*, *J.C.S. Dalton*, 1972, 350, (crystal polarised spectra)