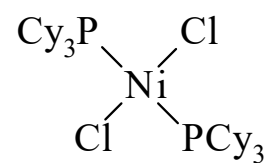




>>Entry Name: Dichlorobis(tricyclohexylphosphine)nickel, 9Cl



CAS Registry Number: 19999-87-2

Related CAS Registry Numbers(s): 115647-96-6

Molecular Formula: C₃₆H₆₆Cl₂NiP₂

Molecular Weight: 690.46

Accurate Mass: 688.337024

Percentage Composition: C 62.62%; H 9.63%; Cl 10.27%; Ni 8.50%; P 8.97%

General Statement: Planar struct.

>>Variant: *trans*-form

CAS Registry Number: 55333-16-9

Molecular Formula: C₃₆H₆₆Cl₂NiP₂

Molecular Weight: 690.46

Accurate Mass: 688.337024

Percentage Composition: C 62.62%; H 9.63%; Cl 10.27%; Ni 8.50%; P 8.97%

Source/Synthesis: Synth. from NiCl₂ and PCy₃

Use/Importance: Cocatalyst with AlClEt₂ for ethene oligomerisations; butadiene cyclodimerisation catalyst

Physical Description: Red cryst. (CHCl₃/EtOH)

Melting Point: Mp 227°

References:

Stone, P.J. *et al.*, *Inorg. Chim. Acta*, 1971, **5**, 434, (*synth, uv-vis*)

Aresta, M. *et al.*, *Inorg. Chim. Acta*, 1975, **12**, 167, (*ir, uv-vis, props*)

Bemi, L. *et al.*, *J.A.C.S.*, 1982, **104**, 438, (*P-31 nmr*)

Einloft, S. *et al.*, *Polyhedron*, 1996, **15**, 3257, (*use*)