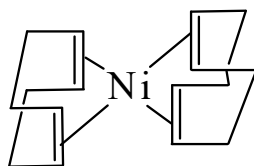




>>Entry Name: Bis[(1,2,5,6-η)-1,5-cyclooctadiene]nickel, 9CI



CAS Registry Number: 1295-35-8

Molecular Formula: C₁₆H₂₄Ni

Molecular Weight: 275.056

Accurate Mass: 274.123146

Percentage Composition: C 69.87%; H 8.79%; Ni 21.34%

Source/Synthesis: Synth. from Ni(acac)₂, cod and AlEt₃

Use/Importance: Catalyst for isom. and hydrosilylation of unsat. compds. Co-catalyst for oligomerisation, cyclo-oligomerisation, polym. of alkenes, butadiene. Valuable starting compd. for synth. of nickel organometallics. Catalyst for amination of aryl chlorides. Catalyses cycloadditions of strained alkenes, alkynes and 1,3-dienes

Physical Description: Air-sensitive yellow cryst.

Solubility: Sol. C₆H₆, toluene, THF, Et₂O, DMF, HMPA, *N*-methylpyrrolidone

Other Data: Dec. 135-140°

Aldrich: 24498-8

Rare Chemicals Library: S46299-3

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