



>>Entry Name: [(1,2,5,6- η)-1,5-Cyclooctadiene]bis[(1,2,3- η)-2-methyl-2-propenyl]ruthenium, 9Cl

Synonym(s): π -1,5-Cyclooctadienylbis(2-methyl- π -allyl)ruthenium

CAS Registry Number: 12289-94-0

As [(1,2,5,6- η)-1,5-Cyclooctadiene]bis(η^3 -2-propenyl)ruthenium, [FLP21-D](#) with
R = CH₃

Molecular Formula: C₁₆H₂₆Ru

Molecular Weight: 319.451

Accurate Mass: 320.107798

Percentage Composition: C 60.16%; H 8.20%; Ru 31.64%

Source/Synthesis: Synth. from [RuCl₂(cod)]_x and H₂C=CMeCH₂MgBr

Physical Description: White mod. air-stable prisms (MeOH/petrol), dec. in soln.

Melting Point: Mp 80-85°

Solubility: Sol. C₆H₆, petrol, spar. sol. alcohols. Dec. by chlorinated solvs.

References:

Powell, J. *et al.*, *J.C.S.(A)*, 1968, 159, (*synth*, *pmr*)

Schrock, R.R. *et al.*, *J.C.S. Dalton*, 1974, 951, (*synth*, *pmr*)

Inorg. Synth., 1989, **26**, 257, (*synth*, *pmr*)