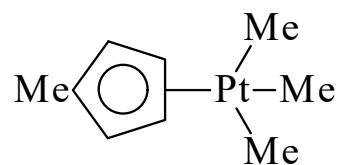




>>Entry Name: Trimethyl[(1,2,3,4,5- η)-1-methyl-2,4-cyclopentadien-1-yl]platinum, 12Cl

Synonym(s): Methylcyclopentadienyltrimethylplatinum



CAS Registry Number: 94442-22-5

Molecular Formula: C₉H₁₆Pt

Molecular Weight: 319.305

Accurate Mass: 319.089966

Percentage Composition: C 33.85%; H 5.05%; Pt 61.10%

Source/Synthesis: Synth. from Na(C₅H₄Me) and [PtI Me₃]₄

Use/Importance: Can be used to deposit Pt by chemical vapour deposition

Physical Description: Cryst. (by subl.)

Melting Point: Mp 29.5-30°

Solubility: V. sol. org. solvs.

References:

Xue, Z. *et al.*, *J.A.C.S.*, 1989, **111**, 8779; 1990, **112**, 4090, (*synth, cryst struct, cmr, pe*)

Newmark, R.A. *et al.*, *Inorg. Chem.*, 1991, **30**, 853, (*pmr*)