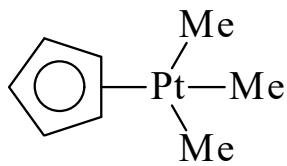




>>Entry Name: (η^5 -2,4-Cyclopentadien-1-yl)trimethylplatinum, 9CI

Synonym(s): Trimethyl(cyclopentadienyl)platinum



CAS Registry Number: 1271-07-4

Molecular Formula: $C_8H_{14}Pt$

Molecular Weight: 305.279

Accurate Mass: 305.074316

Percentage Composition: C 31.48%; H 4.62%; Pt 63.90%

Source/Synthesis: Synth. from $[PtMe_3I]_4$ and NaCp

Use/Importance: Forms highly pure Pt from dec. or photol. Photohydrosilylation catalyst

Physical Description: Volatile cryst. (MeOH)

Melting Point: Mp 65°

Boiling Point: Subl._{0.01} 20°

References:

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Daly, F.J.J. *et al.*, *J.C.S.(A)*, 1971, 2616, (*cryst struct*)
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Chen, Y.J. *et al.*, *Appl. Phys. Lett.*, 1988, **53**, 1591, (*use*)
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