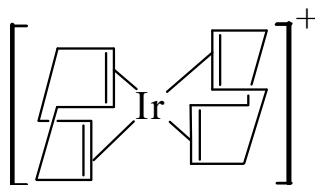




>>Entry Name: Bis[(1,2,5,6-η)-1,5-cyclooctadiene]iridium(1+), 9CI



Related CAS Registry Numbers(s): 88492-76-6

Molecular Formula: C₁₆H₂₄Ir⁽⁺⁾

Molecular Weight: 408.586

Accurate Mass: 409.150717

Percentage Composition: C 47.03%; H 5.92%; Ir 47.05%

Use/Importance: Useful starting material

>>Derivative: Tetrafluoroborate

CAS Registry Number: 35138-23-9

Molecular Formula: C₁₆H₂₄BF₄Ir

Molecular Weight: 495.39

Percentage Composition: C 38.79%; H 4.88%; B 2.18%; F 15.34%; Ir 38.80%

Source/Synthesis: Synth. from Ir(acac)(cod) + cod + [Ph₃C]BF₄ in CH₂Cl₂

Physical Description: Reasonably air-stable deep purple-brown cryst.

Melting Point: Mp 140-145°

Solubility: Sol. CH₂Cl₂

>>Derivative: Hexafluorophosphate

CAS Registry Number: 70471-95-3

Molecular Formula: C₁₆H₂₄F₆IrP

Molecular Weight: 553.55

Percentage Composition: C 34.72%; H 4.37%; F 20.59%; Ir 34.72%; P 5.60%

Physical Description: No phys. props. reported

References:

Green, M. *et al.*, *J.C.S.(A)*, 1971, 2334, (*synth, ir, pmr*)