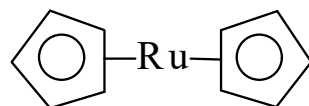




>>Entry Name: Ruthenocene, 9CI

Synonym(s): Di- π -cyclopentadienylruthenium, 8CI. Bis(cyclopentadienyl)ruthenium



CAS Registry Number: 1287-13-4

Molecular Formula: C₁₀H₁₀Ru

Molecular Weight: 231.259

Accurate Mass: 231.982598

Percentage Composition: C 51.94%; H 4.36%; Ru 43.70%

Source/Synthesis: Synth. from RuCl₃ + NaCp, or from RuCl₃ + C₅H₆ + Zn

Use/Importance: Catalyst for oxidn. of alkynyl ethers, amines by PhIO → α -keto esters, α -keto amides

Physical Description: Light yellow cryst. (CCl₄)

Melting Point: Mp 199-200°

Other Data: Sublimes *in vacuo*. Less reactive than ferrocene towards electrophiles

Aldrich: 26245-5

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