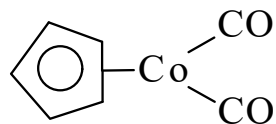




>>Entry Name: Dicarboxyl(η^5 -2,4-cyclopentadien-1-yl)cobalt, 12Cl, 9Cl

Synonym(s): Cyclopentadienyldicarbonylcobalt



CAS Registry Number: 12078-25-0

Molecular Formula: $C_7H_5CoO_2$

Molecular Weight: 180.048

Accurate Mass: 179.962153

Percentage Composition: C 46.70%; H 2.80%; Co 32.73%; O 17.77%

Source/Synthesis: Synth. from $Co_2(CO)_8$ + CpH or from $CoCp_2$ + CO(g 150 atm.) in C_6H_6 at 130° for 10h

Use/Importance: Catalyses co-cyclisation of α,ω -diynes with alkynes. Commercially available. Precursor to CoCp derivs.

Physical Description: Sl. air-sensitive dark-red liq.

Melting Point: Mp -22°

Boiling Point: Bp₇₁₀ 139-140°. Bp₂₂ 75°

Solubility: Insol. H_2O ; sol. all org. solvs.

Aldrich: 24525-9

Fluka: 29672

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