

Tris(2-isocyanocarbonsäureester)-Halbsandwich-Komplexe [(Aren)M(CNCHR¹CO₂R²)₃]²⁺ (M = Ru, Rh, Ir)

Tris(2-isocyanocarboxylic Acid Ester) – Halfsandwich Complexes
[(arene)M(CNCHR¹CO₂R²)₃]²⁺ (M = Ru, Rh, Ir)

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By reaction of chloro bridged halfsandwich complexes with silver salts and subsequent addition of isocyanocarboxylic acid esters the isocyanide complexes $[(\text{arene})\text{M}(\text{CNCHR}^1\text{CO}_2\text{R}^2)_3]^{2+}(\text{X}^-)_2$ (arene = C₆Me₆, *p*-cymene, M = Ru; arene = C₅Me₅, M = Rh, Ir), (R¹ = H, Me, CHMe₂, CH₂Ph, X = BF₄, CF₃SO₃) were prepared and characterized. The structure of [(C₅Me₅)Ir(CNCH₂CO₂Et)₃]²⁺(CF₃SO₃⁻)₂ was determined by X-ray structure analysis.

Key words: 2-Isocyano Carboxylic Acid Ethyl Ester, Halbsandwich Complexes, Ruthenium, Rhodium, Iridium