

Technical data sheet

Ruthenium

Dichloro(cycloocta-1,5-diene)ruthenium(II)

Formula	[Ru(COD)Cl ₂]
CAS No.	50982-12-2
Grade	RM HC 332
Description	brown color crystalline powder
Metal content	35.5%-36.5%
Molar Mass (g/Mol)	280.16
Melting Point (°C)	205°C

Storage Condition

Store in a tightly closed container at ambient temperature.

Application

Used with IMes to catalyze the dehydrogenative coupling of alcohols and amines to form amide bonds. In addition, [Ru(COD)Cl₂] can also be used with NHC ligand to catalyze greener amide bond formation by dehydrogenative coupling of amines and alcohols.