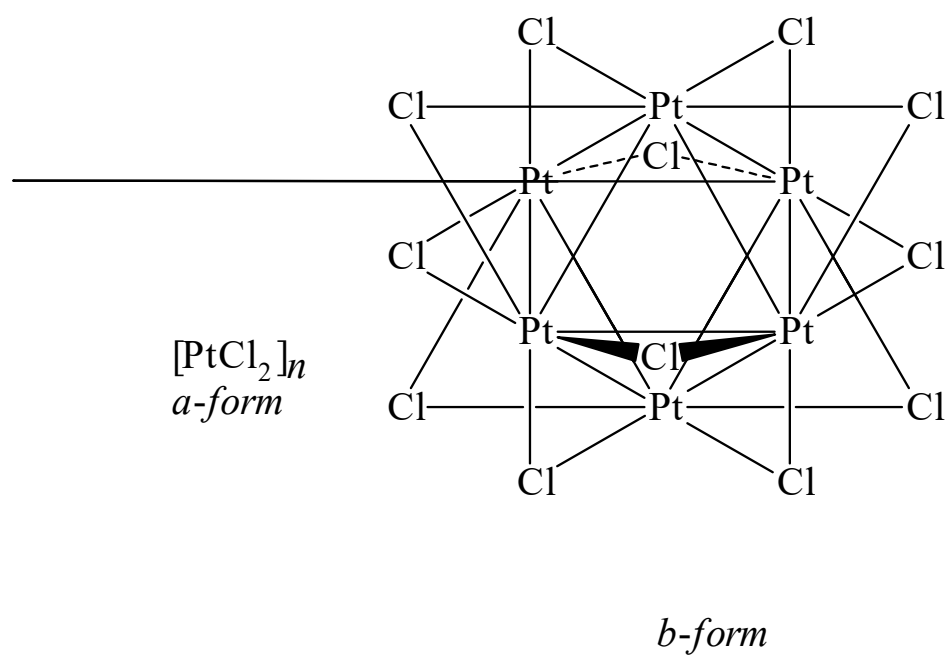




>>Entry Name: **Platinum(II) chloride (PtCl₂)**, 9Cl

Synonym(s): Platinum dichloride



CAS Registry Number: 10025-65-7

Related CAS Registry Numbers(s): 12648-47-4

Molecular Formula: Cl₂Pt

Molecular Weight: 265.985

Accurate Mass: 264.90247

Percentage Composition: Cl 26.66%; Pt 73.34%

Use/Importance: Commercially available. Widespread starting material for Pt compds.

Hazard & Toxicity: Irritant

Aldrich: 20609-1

Fluka: 81060

>>Derivative: Ammine complex

>>Variant: α -form

Molecular Formula: Cl₂Pt

Molecular Weight: 265.985

Accurate Mass: 264.90247

Percentage Composition: Cl 26.66%; Pt 73.34%

Source/Synthesis: Synth. from Platinum [JCC22-Y](#) + Cl₂

Physical Description: Black-red solid

Solubility: Insol. H₂O; sol. HCl

>>Variant: β -form

Synonym(s): Dodeca- μ -chlorohexaplatinum, 11Cl

CAS Registry Number: 12200-23-6

Molecular Formula: Cl₁₂Pt₆

Molecular Weight: 1595.912

Accurate Mass: 1589.41482

Percentage Composition: Cl 26.66%; Pt 73.34%

Source/Synthesis: Synth. from Hexachloroplatinic acid [JCZ29-Q](#) + Cl₂

Physical Description: Green-grey solid

Solubility: Sol. HCl, C₆H₆; insol. H₂O

References: