

*Platinum And Other Metal Coordination Compounds In Cancer
Chemotherapy*



Platinum And Other Metal Coordination

In chemistry, a coordination complex consists of a central atom or ion, which is usually metallic and is called the coordination centre, and a surrounding array of bound molecules or ions, that are in turn known as ligands or complexing agents. Many metal-containing compounds, especially those of transition metals, are coordination complexes. A coordination complex whose centre is a metal atom ...

Coordination complex - Wikipedia

Platinum(IV) chloride is the inorganic compound of platinum and chlorine with the empirical formula PtCl₄. This brown solid features platinum in the 4+ oxidation state. Structure. Typical of Pt(IV), the metal centers adopt an octahedral coordination geometry, {PtCl₆}. This geometry is achieved by forming a polymer wherein half of the chloride ligands bridge between the platinum centers.

Platinum(IV) chloride - Wikipedia

square-planar, with four ligands bonded to the metal atom. He used the German word Nebenvalenz (meaning secondary valence) for coordination number, and Hauptvalenz (principal valence) for the oxidation number of the metal. Nomenclature Naming the compounds was originally based on color.

Coordination Compounds - Chemistry Encyclopedia ...

Platinum: isolation. Isolation: it would not normally be necessary to make a sample of platinum in the laboratory as the metal is available commercially. The industrial extraction of platinum is complex as the metal occurs in ores mixed with other metals such as palladium and gold.

WebElements Periodic Table » Platinum » the essentials

Coordination compound - Structure and bonding of coordination compounds: Werner originally postulated that coordination compounds can be formed because the central atoms carry the capacity to form secondary, or coordinate, bonds, in addition to the normal, or valence, bonds. A more complete description of coordinate bonding, in terms of electron pairs, became possible in the 1920s, following ...

Coordination compound - Structure and bonding of ...

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Rhodium: isolation. Isolation: it would not normally be necessary to make a sample of rhodium in the laboratory as the metal is available, at a price, commercially. The industrial extraction of rhodium is complex as the metal occurs in ores mixed with other metals such as palladium, silver, platinum, and gold.

WebElements Periodic Table » Rhodium » the essentials

Coordination compounds (or complexes) are molecules and extended solids that contain bonds between a transition metal ion and one or more ligands. In forming these coordinate covalent bonds, the metal ions act as Lewis acids and the ligands act as Lewis bases. Typically, the ligand has a lone pair of electrons, and the bond is formed by overlap of the molecular orbital containing this electron ...

Introduction to Inorganic Chemistry/Coordination Chemistry ...

Position Location Closes; Manager Projects Band 5 - Mogalakwena Complex (Internal & External Vacancy) Limpopo: 24 May 2019 : CONTEXT The Manager Projects role will be responsible for the delivery of Mogalakwena PGM Recovery Project By providing technical expertise and coordination across all three (3) Concentrators.

Anglo American - Recent Jobs

Predicting the optimal structure for a catalytic material has been a long-standing goal, but typically an arbitrary active site on a uniform surface is modelled. Identification of the most-active ...

Optimization of the facet structure of transition-metal ...

Water quality and scarcity are of growing global concern in the twenty-first century 1, 2, and thus it is of great importance to remove heavy metal ions from polluted water 3, 4. Among the various ...

A versatile MOF-based trap for heavy metal ion capture and ...

Publications Definition of Terms. The definitions found here pertain to the field of science involved with solution and colloid chemistry. Similar terms from other ...

Silver Colloids: Definition of Terms

Element Zirconium (Zr), Group 4, Atomic Number 40, d-block, Mass 91.224. Sources, facts, uses, scarcity (SRI), podcasts, alchemical symbols, videos and images.

Zirconium - Element information, properties and uses ...

The analysis of a curious metal ornament found in the tomb of Chou-Chu, a military leader in 3rd century China, turned out to be 85% aluminium. How it was produced remains a mystery. By the end of the 1700s, aluminium oxide was known to contain a metal, but it defeated all attempts to extract it.

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