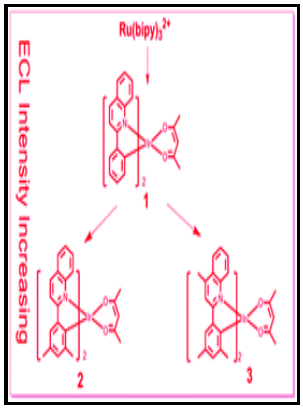
Synthesis and spectroscopic studies of some novel Ruthenium (II), Osmium (II) and Iridium (III) complexes.

University of East Anglia - Synthesis, Structural Characterization, Photophysical, Electrochemical, and Anion



Description: -
-Synthesis and spectroscopic studies of some novel Ruthenium (II), Osmium (II) and Iridium (III) complexes.
-Synthesis and spectroscopic studies of some novel Ruthenium (II), Osmium (II) and Iridium (III) complexes.
Notes: Thesis (Ph.D.) - University of East Anglia, School of Chemical Sciences 1983.
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Tags: #Synthesis #and #spectroscopic #and #structural #studies #of #ruthenium #carbonyl #derivatives #of #N

Ruthenium(II) Complexes with 2

Therefore, we synthesized four Ru II complexes with similar structures but distinctly different biological activities to verify that ruthenium cyclometalation in combination with trifluoromethyl and PIP ligands is a simple but competitive method to develop novel metallodrugs for the treatment of cancer. Excited State Tuning of Bis tridentate Ruthenium II Polypyridine Chromophores by Push-Pull Effects and Bite Angle Optimization: A Comprehensive Experimental and Theoretical Study.

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Ruthenium(II) 1,4,7

Complex 4 successfully exhibited potent in vitro cytotoxicity that was higher than cisplatin and the other three Ru II complexes against all of the screen cancer cell lines. Asymmetric bimetallic ruthenium II complexes selectively sense cyanide in water through significant modulation of their ground and excited state properties.

Synthesis and biological evaluation of some new class of benzothiazole

Structure, recognition and processing of cisplatin-DNA adducts. Antitumor activity in human Caco-2 cells and Jurkat T lymphocytes.

Physico

They were neutral, nonhygroscopic, and had no chloride or water molecule in the coordination sphere. In addition, as a key enzyme in the regulation of the intracellular redox environment, TrxR plays a critical role in cancer progression and apoptosis.

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