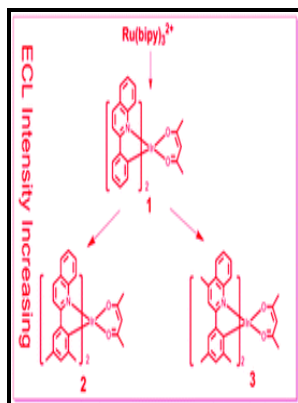


# Synthesis and spectroscopic studies of some novel Ruthenium (II), Osmium (II) and Iridium (III) complexes.

University of East Anglia - Water



Description: -

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

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Notes: Thesis (Ph.D.) - University of East Anglia, School of Chemical Sciences 1983.

This edition was published in 1983



Filesize: 69.103 MB

Tags: #Synthesis, #Anticancer #Evaluation #and #Synergistic #Effects #with #cisplatin #of #Novel #Palladium #Complexes: #DNA, #BSA #Interactions #and #Molecular #Docking #Study

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Some ruthenium complexes have been proven to be mitochondria-targeting anticancer drug candidates, which often induce redox reactions inside cancer cells resulting in an increase in reactive oxygen species ROS. Okamoto, Chiral Recognition Ability of Cellulose Derivatives Bearing Pyridyl and Bipyridyl Residues as Chiral Stationary Phases for High-Performance Liquid Chromatography, Polym.

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Selected complexes induced apoptosis and cell cycle arrest in HeLa and MDA-MB 231 cells. Ohki H, Hirotani K, Naito H, Ohsuki S, Minami M, Ejima A, Koiso Y, Hashimoto Y 2002 Synthesis and mechanism of action of novel pyrimidinyl pyrazole derivatives possessing antiproliferative activity.

## Synthesis, Anticancer Evaluation and Synergistic Effects with cisplatin of Novel Palladium Complexes: DNA, BSA Interactions and Molecular Docking Study

Bioinorganic studies relying on mass spectrometry were performed on complexes 1—4 to assess their interactions with the model protein lysozyme.

## [PDF] Synthesis, Spectroscopic Characterisation, In

Characterisation and application of new carboxylic acid-functionalised ruthenium complexes as dye-sensitisers for solar cells. Kleverlaan CJ, Indelli MT, Bignozzi CA, Pavanin LP, Scandola F, Hasselman GM, Meyer GJ 2000 Stepwise charge separation in heterotriads.

**Synthesis, crystal structures, biological screening and electrochemical analysis of some salen**

The Journal of Physical Chemistry A 2015, 119 17 , 3986-3994.

**Synthesis, crystal structures, biological screening and electrochemical analysis of some salen**

Inorganica Chimica Acta 2000, 305 2 , 127-134. Abstract A series of ruthenium, rhodium and iridium complexes with 4-phenyl-1- pyridin-4yl methylene thiosemicarbazide L1 and 4-phenyl-1- pyridin-4yl ethylidene thiosemicarbazide L2 ligands were synthesized and isolated with hexafluorophosphate as a counter ion.

**Synthesis, spectroscopic characterization, thermal, and photostability studies of 2**

The cellular mechanisms leading to cisplatin resistance are still not fully understood; however, decreased cellular concentration of cisplatin and increased rates of DNA repair are thought to be the main causes for cisplatin resistance.

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