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Design, synthesis, characterization and biological studies of ruthenium and gold compounds with anticancer properties

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Publications

Anthony Spek, Duncan M. Tooke, Ariadna Garza-Ortiz and Jan Reedijk. **Non-merohedrally twinned mer-trichloro(dimethylsulfoxide-κS)(1,10-phenanthroline)ruthenium (II) chloroform solvate, with Z'=6.** Acta Crystallogr. Sect. E.-Struct Rep. Online 61 (2005) M2428-M2430.

Ariadna Garza-Ortiz, Hans Den Dulk, Jaap Brouwer, Huub Koijman, Anthony L. Spek and Jan Reedijk. **The synthesis, chemical and biological properties of dichlorido(azpy)gold(III) chloride (*azpy*= 2-(phenylazo)pyridine) and the gold-induced conversion of the *azpy* ligand to the chloride of the novel tricyclic pyrido[2,1-*c*][1,2,4]benzotriazin-11-ium cation.** *J. Inorg. Biochem.* 101 (2007) 1922-1930.

Ariadna Garza-Ortiz, Palanisamy Uma Maheswari, Maxime Siegler, Anthony L. Spek and Jan Reedijk. **A new Ruthenium(III) Chloride Complex with a Tridentate Bis(arylimino)pyridine Ligand: Synthesis, Spectra, X-ray Structure, 9-Ethylguanine Binding Pattern and *In vitro* Cytotoxicity.** *Inorg Chem.* 47 (2008) 6964-6973.

Ariadna Garza-Ortiz, Palanisamy Uma Maheswari, Maxime Siegler, Martin Lutz, Anthony L. Spek and Jan Reedijk. **A new Ruthenium(III) Chloride Complex with a Tridentate Bis(arylimino)pyridine Ligand: Synthesis, Characterization and *In vitro* Cytotoxicity. Its Comparison with [Ru(tpy)Cl_3]** *In preparation.*

Ariadna Garza-Ortiz, Maxime Siegler, Anthony L. Spek and Jan Reedijk. **Synthesis, Characterization and *In vitro* Cytotoxicity of a Novel family of bis(arylimino)pyridine-Ruthenium(II) Complexes as chlorido-, 1,10-phenanthroline-, 2,2'dipyridyl-, azpy-, 3mazpy-, tazpy-, and 2-picolinate-adducts. Tuning their biological activity.** *In preparation.*

Ariadna Garza-Ortiz, Maxime Siegler, Anthony L. Spek and Jan Reedijk. **Structure Activity Relationships of Novel Ru(II)-bis(arylimino)pyridine complexes.** *In preparation.*

Ariadna Garza-Ortiz, Maxime Siegler, Anthony L. Spek and Jan Reedijk**. In vitro Cytotoxic activity of novel 2,6-bis(arylimino)pyridine compounds.** *In preparation.*