

Comments on Tetracarbonyl(pyrrolylimine) Complexes of Rhenium

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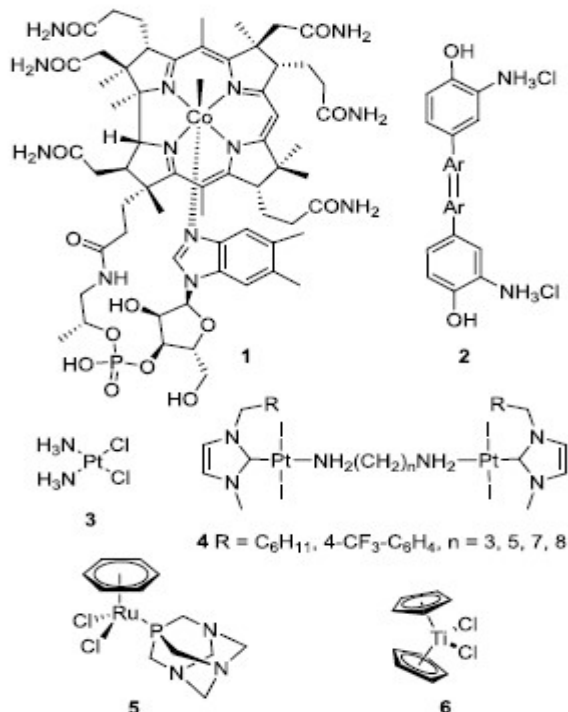
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Graphical Abstract



Abstract. The synthesis of tetracarbonyl (pyrrolylimine) complexes of rhenium bearing chirality on the pyrrolyl ligands was reported. The reactivity of these compounds towards the substitution of one carbonyl ligand with triphenyl phosphine, tricyclohexyl phosphine and trimethyl phosphite was studied. The rhenium becoming a stereogenic center in that transformation, the resulting tricarbonyl species were obtained as mixtures of diastereomers, with diastereomeric excesses varying from 8 to 84%, according to the reaction conditions and the relative steric hindrances of the pyrrolylimine and the organophosphorus ligands.

Reference:

[Curr Top Med Chem.](https://www.ncbi.nlm.nih.gov/pubmed/28730956) 2017 Jul 19. <https://www.ncbi.nlm.nih.gov/pubmed/28730956>