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BOOK OF ABSTRACTS

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Ru and Pt anticancer compounds with targeting ligands

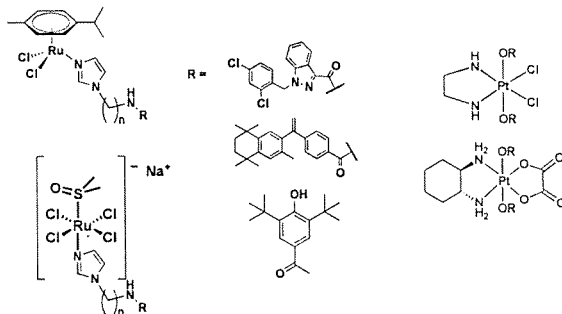
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The search for the new metal-based anticancer compounds traditionally based on platinum(II) compounds; however, in the recent years much of interest is shifting towards development of Pt (IV)^{1,2} and non-platinum anticancer drugs^{3,4} and it was shown that the ruthenium-based compounds could be an excellent alternative of platinum drugs for the number of tumours

The tumour specificity of Pt(IV) and ruthenium compounds can be influenced by ligand sphere around a metal atom. Linking Pt and Ru part to the targeting biologically active organic molecules can improve the anticancer properties.

This presentation will focus on the hybrid complexes of Pt(IV), Ru(II) and Ru(III) bearing biologically active moiety. Several compounds found to be highly cytotoxic against a number of the human cancer cell lines with excellent selectivity towards cancer cells.



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