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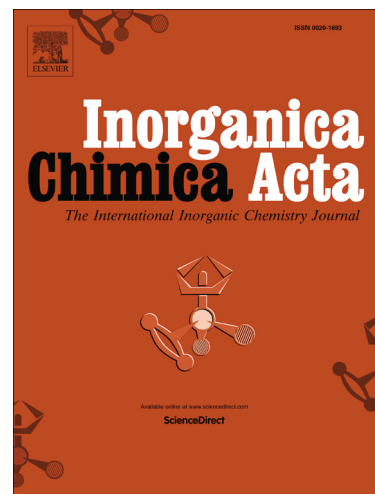
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Design of prospective antiparasitic metal-based compounds including selected organometallic cores

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Abstract

A group of seventeen communicable and poverty-related diseases are considered neglected by the World Health Organization due to the restricted development of diagnostic methods, therapeutic treatments and/or control strategies. Among them three parasitic diseases caused by genetically related protozoa belonging to the trypanosomatid genus and kinetoplastida order are major health concerns in the developing world: American Trypanosomiasis (Chagas disease), Human African Trypanosomiasis and Leishmaniasis. This review focuses on efforts carried out to develop bioorganometallic compounds as prospective agents for the treatment of these diseases. It is divided in sections devoted to efforts grouped by type of organometallic *core*. Those series of compounds for which efforts have been done to modify structures

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