

Pharmacological Correction of Hypoxic Conditions by Complexes of Zinc with N-Alkenylimidazoles

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Abstract

© 2016, Springer Science+Business Media New York. The discovery and development of effective antihypoxic drugs is an important issue in modern experimental and clinical pharmacology. Complexes of zinc containing imidazole cycles as ligands are promising candidates for the design of novel drugs, including pharmacotherapeutic tools for patient's protection under conditions of oxygen deficiency. Herein, we report antihypoxic activity of zinc complexes with N-alkenylimidazoles, and, specifically, a novel drug Acyzol, which can be used as efficient antidote after poisoning by carbon monoxide and other combustion products.

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Keywords

Acyzol, Antihypoxic activity, Hypoxia, N-alkenylimidazoles, Zinc complexes

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