

Synthesis of novel metal complexes based on *meso*-tetrakis(4-hydroxy-3,5-diisobornyl)porphyrin

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Abstract

Series of novel transition metal porphyrinates (Zn^{2+} , Cu^{2+} , Co^{2+} , Fe^{3+} , Mn^{3+}) – metalloporphyrin antioxidants with fragments of 2,6-diisobornylphenol using the *meso*-tetrakis(4-hydroxy-3,5-diisobornyl)-porphyrin as ligand was synthesized. These 2,6-diisobornylphenolic fragments at the periphery of macrocycle can participate as an additional reaction sites for interaction with free radicals.