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

© Tatiana K. Rocheva, Evgeny V. Buravlev, Dmitry V. Belykh,* and Irina Yu. Chukicheva Institute of Chemistry, Komi Scientific Centre of Ural Division of Russian Academy of Sciences. Pervomaiskaya St., 48. Syktyvkar, 167982. Russia. Fax: +7 (8212) 21-84-77. E-mail: belykh-dv@mail.ru

*Supervising author; *Corresponding author

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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.