

The invention relates to chemistry and biotechnology, in particular to two coordination compounds of manganese(II) with the ligand 2,4,6-tris(2-pyridyl)-s-triazine, which can find application as catalysts and biostimulators in various chemical and biotechnological processes.

According to the invention, claimed are coordination compounds isobutyrate-chloro-methoxo-(2,4,6-tris(2-pyridyl)-s-triazine)-manganese(II) methanol solvate with the formula $[\text{Mn}(\text{is})(\text{Cl})(\text{tpt})(\text{CH}_3\text{OH})] \cdot \text{CH}_3\text{OH}$ and diaqua-nitrato-(2,4,6-tris(2-pyridyl)-s-triazine)-manganese(II) nitrate with the formula $[\text{Mn}(\text{NO}_3)(\text{tpt})(\text{H}_2\text{O})_2](\text{NO}_3)$.

Methods for their preparation are also claimed by the reaction of manganese(II) isobutyrate with 2,4,6-tris(2-pyridyl)-s-triazine in the presence of 2-[bis(2-hydroxyethyl)amino] acetonitrile hydrochloride in methanol and the reaction of manganese(II, III) pivalate with 2,4,6-tris(2-pyridyl)-s-triazine in the presence of dysprosium(III) nitrate in ethanol.

The claimed coordination compounds possess properties of biostimulators of the synthesis of extracellular proteases in the *Fusarium gibbosum* CNMN FD 12 mycelial fungi strain.

Claims: 3

Fig.: 1