

a 2016 0073

The invention relates to chemistry and biotechnology, namely to two new iron(III) coordinative compounds and to a nutrient medium for cultivation of *Fusarium gibbosum* CNMN FD 12 mycelial fungus strain.

According to the invention, claimed are the new coordinative compounds $[\text{Fe}(\text{H}_2\text{L}^1)(\text{H}_2\text{O})_3](\text{NO}_3)_3 \cdot 2\text{H}_2\text{O}$ and $[\text{Fe}(\text{H}_2\text{L}^2)(\text{H}_2\text{O})_3](\text{NO}_3)_3 \cdot 2\text{H}_2\text{O}$ (where H_2L^1 – 2,3-butanedione-*bis*(isonicotinoylhydrazone) and H_2L^2 – 2,3-butanedione-*bis*(nicotinoylhydrazone)).

Also, claimed is a nutrient medium for cultivation of *Fusarium gibbosum* CNMN FD 12 mycelial fungus strain, comprising: corn flour, soy flour, CaCO_3 , $(\text{NH}_4)_2\text{SO}_4$, nitrate of (2,3-butanedione-*bis*(isonicotinoylhydrazone)-*tris*-aqua)iron(III) dihydrate or nitrate of (2,3-butanedione-*bis*(nicotinoylhydrazone)-*tris*-aqua)iron (III) dihydrate and water.

Claims: 2

Fig.: 1