MD.83.	
Title	**Tris(2,6-dimethyl pyridinecarboxylate-1k*ONO*)-di-μ-(isothiocyanato-1,2k*N*)-(diisothiocyanato-2k*N*)barium(II)cobalt(II) with biostimulatory properties of the synthesis of bioactive principles on fungi**
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Patent no.	Patent application No. A 2021 0059, 2021 09 09
Description EN	The invention relates to coordination chemistry, in particular to the synthesis of a new Ba-Co heterodinuclear coordination compound with biostimulatory properties, that may be used in the development of biotechnologies, in order to increase the biosynthesis of enzymes and the productivity of microbial biomass. According to the invention, a novel coordination compound: tris(2,6-dimethyl pyridinecarboxylate-1kONO)-di-μ-(isothiocyanato-1,2kN)-(diisothiocyanato-2kN)barium(II)cobalt(II) is claimed. The compound possesses biostimulatory properties of the synthesis of bioactive principles on fungi. The complex increases by 35.6–51.0% the biosynthesis of exocellular amylases in the fungal strain *Aspergillus niger* CNMN FD 06 and by 33.6–37.6% the amount of mycelial biomass accumulated at *Lentinus edodes* (Berk) Sing CNMN FB 01, facilitating the reduction of the technological cycle by 24–48 hours.