

The invention relates to coordination chemistry, in particular to a heterodinuclear coordination compound Ba-Co with stimulatory properties of the synthesis of biologically active substances in fungi, and can be used in mycelial fungi cultivation biotechnology in order to increase the biosynthesis of enzymes and the productivity of microbial biomass. According to the invention, claimed is the tris(2,6-dimethyl pyridinedicarboxylate-1kONO)-di- $\mu$ -(isothiocyanato-1,2kN)-(diisothi-ocyanato-2kN)barium(II)cobalt(II) coordination compound with the formula  $[\text{BaL}_3\text{-}\mu\text{-(NCS)}_2\text{-Co(NCS)}_2]$ , wherein L is 2,6-pyridinedicar-boxylic acid dimethyl ester.

The claimed coordination compound increases the biosynthesis of extracellular amylases in the *Aspergillus niger* CNMN FD 06 fungal strain, which makes it possible to shorten the cultivation cycle by 24 hours. Also, the compound increases the amount of mycelial biomass in the strain of *Lentinus edodes* (Berk.) Sing. CNMN FB 01, facilitating the reduction of the cultivation cycle by 48 hours.

Claims: 3

Fig.: 1