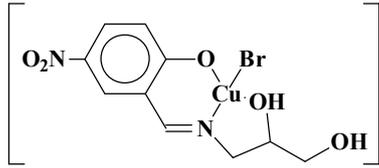


The invention relates to chemistry and biotechnology, namely to the synthesis of a new coordinative compound from the class of salicylideneaminoalcoholates of transition metals and to a process for the cultivation of cyanobacterium *Spirulina platensis*.

It is claimed: a new coordinative compound, bromo-{3-[(2-hydroxy-5-nitro-benzylidene)-amino]-propane-1,2-dihydroxy}(1-)copper of the formula:



and a process for the cultivation of cyanobacterium *Spirulina platensis*, which includes cultivation on a Zarrouk nutrient medium, containing, g/L: NaNO₃ – 2.5; NaHCO₃ – 16.8; NaCl – 1.0; K₂SO₄ – 1.0; K₂HPO₄ – 0.5; MgSO₄·7H₂O – 0.2; CaCl₂ – 0.04; FeSO₄·7H₂O – 0.01; EDTA – 0.08; H₃BO₃ – 0.00286; MnCl₂·4H₂O – 0.00181; ZnSO₄·7H₂O – 0.00022; CuSO₄·5H₂O – 0.00008; MoO₃ – 0.000015 and distilled water to 1L, at pH 9.5...10.0, at a temperature of 30...32°C, light of 2000...3000 lx, at the same time on the 2nd day of cultivation is added the specified coordinative compound, in a concentration of 5...6 mg/L.

The technical result is to increase the copper content in the biomass of cyanobacterium *Spirulina platensis* up to 10.39...11.14 mg%, and to reduce the length of cultivation up to 7 days.

Claims: 2