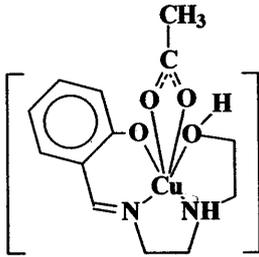


The invention relates to a new coordinative compound from the class of salicylideneaminoalcoholates of transition metals and to a process for cultivation of cyanobacterium *Spirulina platensis* with its use as a compound increasing the copper content in the cyanobacterium biomass.

It is claimed a coordinative compound acetato-N-[2-(2-hydroxyethylamino)-ethyl]-salicylideneimino(1)-copper of formula:



It is also claimed a process for cultivation of cyanobacterium *Spirulina platensis*, including the cultivation of *Spirulina* in a nutrient medium containing, g/l: NaNO<sub>3</sub> – 2.5; NaHCO<sub>3</sub> – 16.8; NaCl – 1.0; K<sub>2</sub>SO<sub>4</sub> – 1.0; K<sub>2</sub>HPO<sub>4</sub> – 0.5; MgSO<sub>4</sub>·7H<sub>2</sub>O – 0.2; CaCl<sub>2</sub> – 0.04; FeSO<sub>4</sub>·7H<sub>2</sub>O – 0.01; EDTA – 0.08; H<sub>3</sub>BO<sub>3</sub> – 0.00286; MnCl<sub>2</sub>·4H<sub>2</sub>O – 0,00181; ZnSO<sub>4</sub>·7H<sub>2</sub>O – 0.00022; CuSO<sub>4</sub>·5H<sub>2</sub>O – 0.00008; MoO<sub>3</sub> – 0.000015 and distilled water up to 1 L, at the temperature of 30...32°C, pH 9.5...10.0 and light of 2000...3000 lx. At the same time, on the 2nd day of cultivation into the nutrient medium is added acetato-N-[2-(2-hydroxyethylamino)-ethyl]-salicylideneimino(1)-copper, in a concentration of 2...4 mg/L, in which the quantity of Cu<sup>2+</sup> is 0.47...0.94 mg/L.

Claims: 2

Fig.: 1