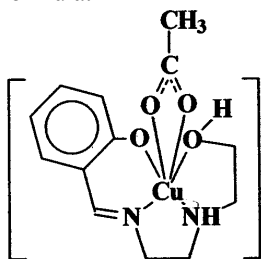


The invention relates to a new coordinative compound from the class of salicylideneaminoalcoholates of transition metals and to a process for cultivation of cyanobacterium *Spirulina platensis* with its use as a compound increasing the copper content in the cyanobacterium biomass.

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:  $\text{NaNO}_3$  – 2.5;  $\text{NaHCO}_3$  – 16.8;  $\text{NaCl}$  – 1.0;  $\text{K}_2\text{SO}_4$  – 1.0;  $\text{K}_2\text{HPO}_4$  – 0.5;  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$  – 0.2;  $\text{CaCl}_2$  – 0.04;  $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$  – 0.01; EDTA – 0.08;  $\text{H}_3\text{BO}_3$  – 0.00286;  $\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$  – 0.00181;  $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$  – 0.00022;  $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$  – 0.00008;  $\text{MoO}_3$  – 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  $\text{Cu}^{2+}$  is 0.47...0.94 mg/L.

Claims: 2

Fig.: 1