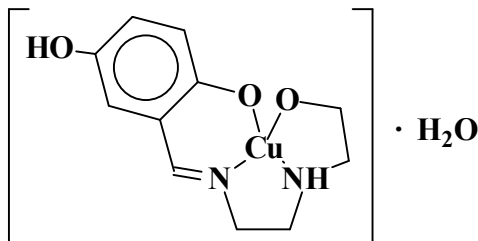


The invention refers to a new coordinative compound from the class of salicylideneaminoalcoholates of transition metals and to a process for the use thereof as compound increasing the content of phycobiliproteins to *Spirulina platensis* cyanobacterium.

It is claimed a coordinative compound, hydrate-2-{{2-(2-hydroxyethylamino)-ethylimino}-methyl}-benzene-1,4-dihydroxy-(2-)copper of the formula:



A process for the cultivation of cyanobacterium *Spirulina platensis* is also claimed including cultivation on 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;  $\text{K}_2\text{HPO}_4$  – 0.20;  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$  – 0.20;  $\text{CaCl}_2 \cdot 6\text{H}_2\text{O}$  – 0.04;  $\text{H}_3\text{BO}_3$  – 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; 1 ml of 0.09 M FeHEdta solution and distilled water up to 1L, at a pH 9.5...10.0, at a temperature of 30...32°C, the illumination of 2000...3000 lx in the first 2 days and of 3000...4000 lx in the following days of cultivation, at the same time on the 2-nd day of cultivation it is added the hydrate of 2-{{2-(2-hydroxyethylamino)-ethylimino}-methyl}-benzene-1,4-dihydroxy-(2-)copper, in the concentration of 0.002...0.004 g/L.

Claims: 2