

a 2013 0079

The invention relates to chemistry and biotechnology, in particular to the synthesis of a new compound with hybrid terpenic and azaheterocyclic skeleton and to a process for cultivation of *Nostoc linckia* cyanobacterium with its use.

According to the invention, claimed is the N-( $\Delta^{8,13}$ -bicyclohomofarnesenoil)-3-amino-1,2,4-triazole compound.

It is also claimed a process for cultivation of *Nostoc linckia* cyanobacterium on a nutrient medium containing, g/L:  $\text{KNO}_3 - 0.51$ ;  $\text{K}_2\text{HPO}_4 - 0.45$ ;  $\text{NaHCO}_3 - 0.05$ ;  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O} - 0.1$ ;  $\text{CaCl}_2 - 0.11$ ;  $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O} - 0.0005$ ;  $\text{MnSO}_4 - 0.002$ ;  $\text{H}_3\text{BO}_3 - 0.0085$ ;  $(\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot 4\text{H}_2\text{O} - 0.00225$ ;  $\text{FeSO}_4 \cdot 7\text{H}_2\text{O} - 0.004$ ;  $\text{Co}(\text{NO}_3)_2 \cdot \text{H}_2\text{O} - 0.00009$ ;  $\text{EDTA} - 0.00475$ ; N-( $\Delta^{8,13}$ -bicyclohomofarnesenoil)-3-amino-1,2,4-triazole compound 0.062...0.064 and distilled water up to 1 L, at a temperature of 23...25°C and illumination of 2000...3000 lx.

The result consists in increasing the antioxidant activity of cyanobacterium biomass.

Claims: 2