

The invention refers to the clusters class of coordinative compounds on base of ferrum and carboxylic acid, which can be used as biostimulators in different biotechnological processes.

Summary of the invention consists in the synthesis of trimethanol-hexakis- μ -trichloroacetato(O,O')- μ_3 -oxo-diferrum(III)nickel of the formula $[\text{Fe}_2\text{NiO}(\text{CCl}_3\text{COO})_6(\text{CH}_3\text{OH})_3]$, manifesting properties of carotinoids biosynthesis stimulator by the yeast strains of *Rhodotorula* kind.

Claims: 1