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The invention relates to biotechnology, namely to a process for submerged cultivation of *Aspergillus niger* CNMN FD 01 mycelial fungi strain.

The process, according to the invention, comprises preparing a spore suspension of the strain grown for 14 days on a sloped wortagar medium, inoculating the suspension in a concentration of 10% vol. in a nutrient medium with the pH 7.2, containing, g/L: soy flour – 35.0, K_2HPO_4 – 5.0, $(NH_4)_2SO_4$ – 1.0 and drinking water the rest and culturing at a temperature of 28...30°C with continuous stirring for 96 hours. The spore suspension, before inoculation, is treated with titanium dioxide TiO_2 nanoparticles of a size of 40 nm in a concentration of 0.0010%.

Claims: 1