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The invention relates to the biotechnology, namely, to the processes for obtaining the red alga *Porphyridium cruentum* biomass and may be used in the pharmaceutical and cosmetic industries.

The summary of the invention consists in the fact that the proposed process includes red alga *Porphyridium cruentum* cultivation during seven days at 25-26°C in the sea water, containing 1,0-1,5 g/l of galactose, by that, the first two days the cultivation is made at the illumination of 2000 cd/m², and the following days - at 3000 cd/m².

The technical result of the invention consists in the cultivation period reducing and in the intensification of the biosin—these process in the alga cells.

Claims: 1