

[1].

Rhizomucor miehei, Candida antarctica Carica

papaya

[2].

1,3-

[3].

Novozym 435

[4].

: , 1 : 1

60 ° .

[5]

R^1COOR^2 (R^1- , R^2-H ,)

[6]

()

Candida rugosa.

37 ° ; - 24 ; -

— - 2,5,

100 . - ,

- ,

() .

, ,

,

3,6 %, – 8,3 % [7].

(« »).

RM IM «Novozymes».

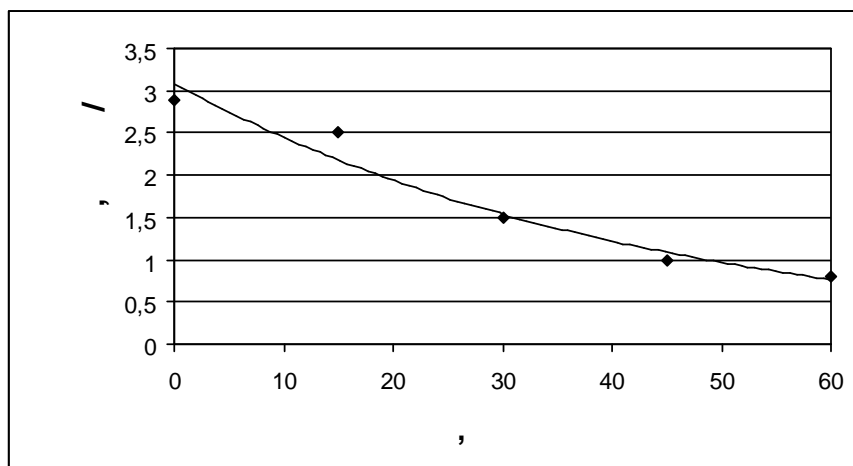
RM IM 1,3- (3.1.1.3) Rhizomucor miehei,

Aspergillus oryzae [8].

1 :2 , 60 ° : – 10 %

$$C(t) = C_0 \cdot e^{-k \cdot t}$$

C(t) – t, / ; C₀ – , / ; k – ,⁻¹; t –



MATLAB (

The MathWorks, Inc.).

: $k = 0,0232 \text{ }^{-1}$.

$v_0 = 0,0668$ / .

: 1.

, 2002. – 336 . 2. *Weber Nikolaus, Weitkamp Petra, Mukherjee Kumar D.* Steryl and stanyl esters of fatty acids by solvent-free esterification and transesterification in vacuo using lipases from *Rhizomucor miehei*, *Candida antarctica*, and *Carica papaya* // *J. Agr. and Food Chem.*– 2001.– Vol. 49, 11. – P.5210–5126. 3. *Mukherjee K.* Lipase-catalyzed reactions for modification of fats and other lipids // *Biocatalysis*, 1990, Vol.3.– P.277–293. 4. *Compton David L., Laszlo Joseph A., Berhow Mark A.* Lipase-catalyzed synthesis of ferulate esters // *JAOCS.*– 2000.– Vol. 77, 5.– P.513–519. 5. . 5071753 , 5 12 17/04, 12 7/40. Process for enzymatic preparation of organic esters of ascorbic acid or erythorbic acid: . 5071753 , 5 12 17/04, 12 7/40 *Enomoto Kaheniko, Miymori Takao* . – 607676; . 01.11.90; . 10.12.91.– 3 . 6. *Wong W.C, Basri M., Razak .N.A., Salleh A.B.* Synthesis of medium-chain glycerides using lipase from *Candida rugosa* // *JAOCS.*– 2000.– Vol. 77, 1.– P.85–88. 7. *Maki KC, Davidson MH, Tsushima R, Matsuo N etc.* Consumption of diacylglycerol oil as part of a reduced-energy diet enhances loss of body weight and fat in comparison with consumption of a triacylglycerol control oil // *Am. J. Clin. Nutr.*– 2002.– Vol. 76.– P.1230–1236.

8. "Novozymes".

10.04.07