

[4 - 6].

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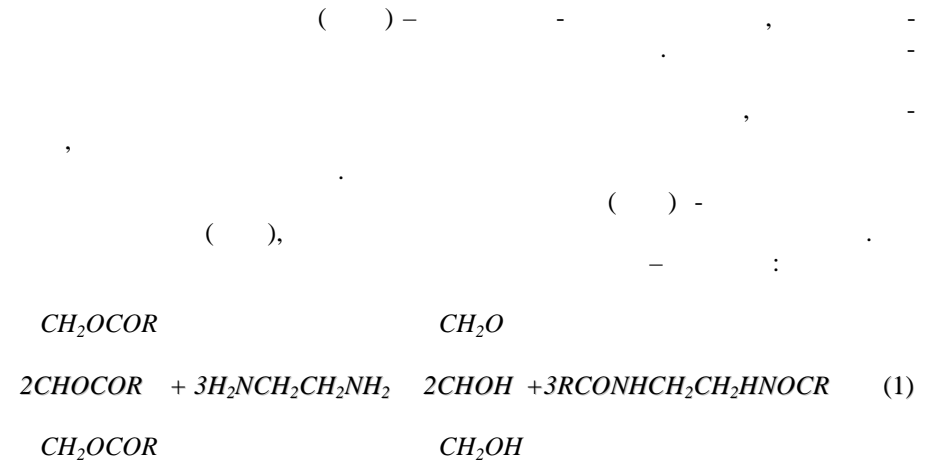
664.3:547

. . , . . . " "

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The thermodynamic investigation of the reaction of acylglycerines with ethylenediamine was made. It was established that changes of free energies of reactions of amidation calculated by various methods were the same. It was found that taking into account of hydrogen bonds free energies of reactions of amidation of acylglycerine with ethylenediamine, aminoamide were different. In the raw TAG-DAG-MAG they are increased. If compared free energies of reaction of acylglycerine with EDA and AA it can be found that reaction with EDA is more energetically useful.



[1].

[2].

$$\dots () \dots (), \dots = - \dots, \quad (6)$$

[3]
[3].

$$[4] \dots$$

$$UG = UG - UG \quad (2)$$

UG - , / ;
UG - , / ;
UG - , / .
) :

$$UG () = G (), \quad (3)$$

UG () - , / . :

$$G () = k(i) \cdot G_d(i) - (i) \cdot G (), \quad (4)$$

G - , / ;
G - , / ;
k - ;
- , .

(R = C₁₅H₃₁)

$$\dots (8,37 /),$$

:

$$G = H - 1000T \ln S, \quad (5)$$

G - , / ;
H - , / ;
- , ;
S - , / ().

[3].

$$\dots / ;$$

[3]:

$$S = S - S, \quad (7)$$

S - , / (.);
S - , / (.);
S - , / (.).
()

()

[3]:

$$() = 1 + 2 + \dots + n \quad (8)$$

b, 2, n - (S) , / ;
(S)

[3]:

$$S () = S_1 + S_2 + \dots + S_n, \quad (9)$$

S₁, S₂, S_n - , / (.).

(5).

1

(R = C₁₅H₃₁)

	, /		
	-17,36	-17,14	-17,46
	-16,88	-16,66	-16,98

. 1

