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: **1.** Charles Wood. Refractory semiconductors for high temperature thermoelectric energy conversion. // Mat. Res. Soc. Symp. Proc. Vol.97. 1987 Materials Research Society. **2.** VI .. - , 1999, . 113. **3.** M. Kato, e. a. // Journal of Crystal Growth 115 (1991) 117 – 121 North-Holland. **4.** Choy K. L. Progress in Materials Science 2003, Vol 48, Iss 2.

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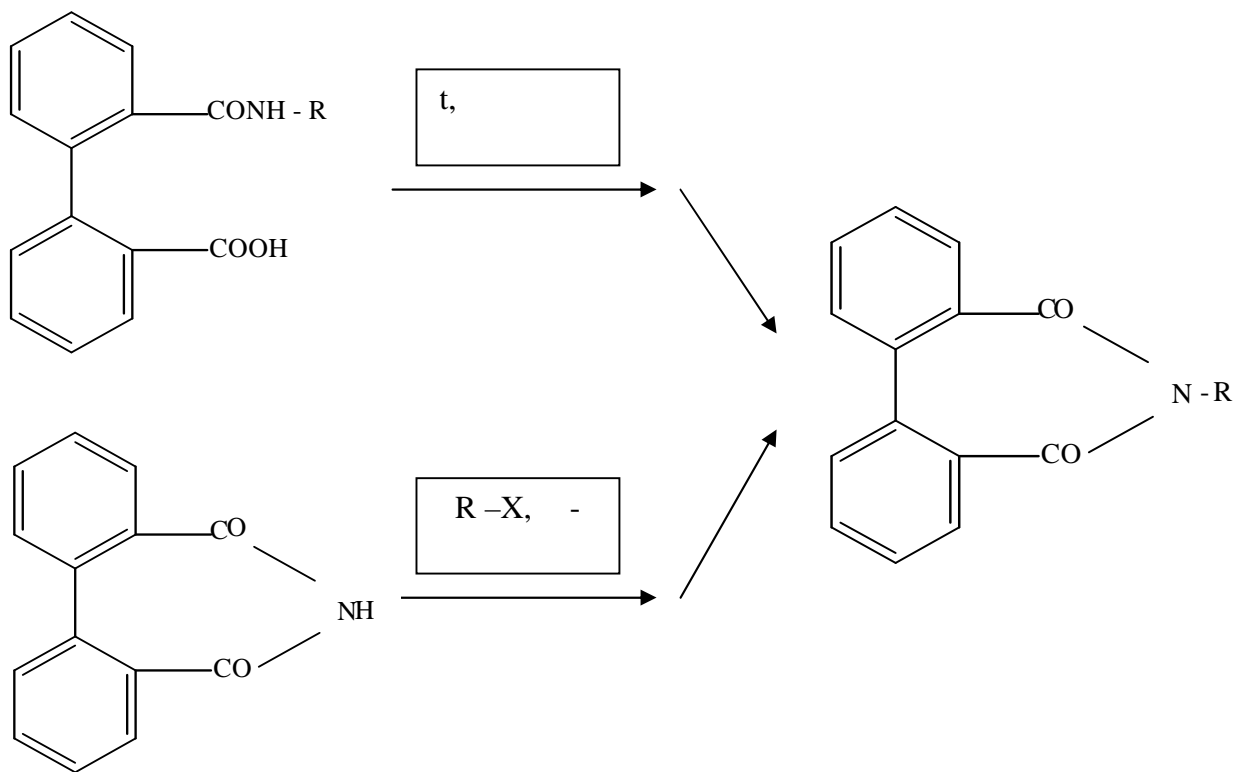
In article results of research of reaction acylation amine by diphenolic anhydride are presented. Influence of solvent, duration of heating, basicity amine on an output and structure is considered. Received diphenolic acids malamic are of interest for their test for demonstration of various kinds of biological activity.

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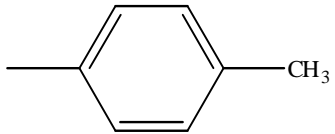
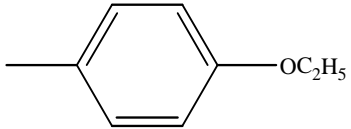
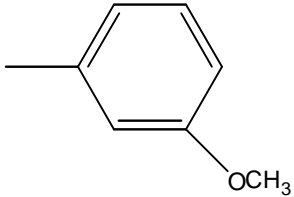
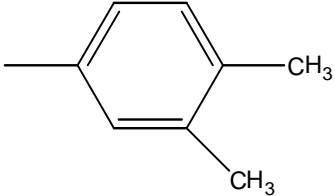
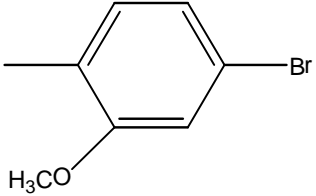
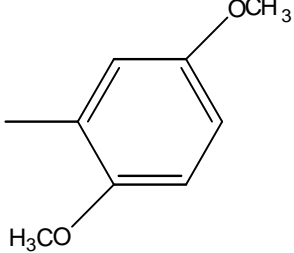
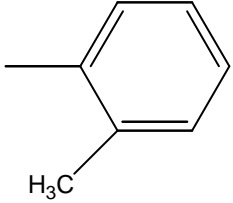
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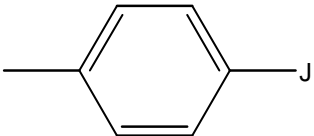
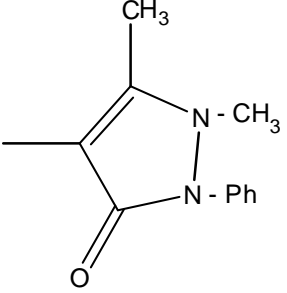
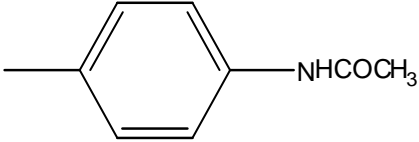
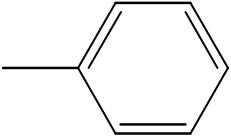
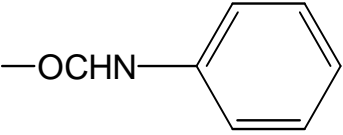
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/	(R)				%	°
		3	4	5		
1	2	3	4	5	6	7
1			1,5		87,4	147-9
2		+ +	1,5		68,5	153-4
3		+ +	1,5		69,4	170-2
4			1,5		87,2	197-8
5		+ +	2		74,9	185-7
6		+	3		67,2	171-3
7			2		78,2	182-3

1	2	3	4	5	6	7
8			1,5		88,7	214-5
9			2		71,2	212-4
10		+	3		64,3	271-2
11			2		88,2	180-1
12			2		68,3	234-6

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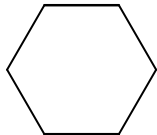
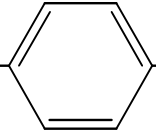
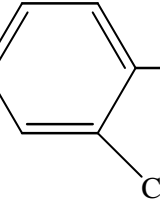
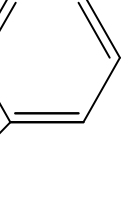
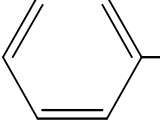
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1.	$\text{Cl} - \text{CH}_2 - \text{CH}_2 - \text{N}$ 	4	54,2	85 - 7
2.	$\text{Cl} - \text{CH}_2 \text{CONH}_2$	3	58,4	188 - 90
3.	$\text{COO} - \text{C}_2\text{H}_5$  $-\text{NH} - \text{CO} - \text{CH}_2 - \text{Cl}$	4	61,7	195 - 7
4.	$\text{Cl} - \text{H}_2\text{C} - \text{OC} - \text{HN}$  $-\text{CH}_3$ CH_3	3	65,8	243 - 5
5.	$\text{Cl} - \text{H}_2\text{C}$  Cl	2	67,2	136 - 7
6.	 $-\text{CH}_2 - \text{Cl}$	3	70,5	130 - 1

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N = 1,466-1,590,

The petrographic researches of contact zone between refractory and ceramic flux by hot covering ceramic consistence are given in this work. The contact between refractory and flux is clear. The main phases are mullit with aciculate form to 20 mkm, quarts grain to 1 mm, glassphase with N = 1.466-1.590 magnetit in the look of dendrite excretion.