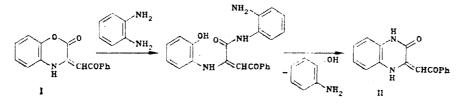
## RECYCLIZATION OF 3-PHENACYLIDENE-3,4-DIHYDRO-2H-1,4-BENZOXAZIN-2-ONE UNDER THE INFLUENCE OF 0-PHENYLENEDIAMINE

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UDC 547.863 .16'867.6

We have established that refluxing 3-phenacylidene-3,4-dihydro-2H-1,4-benzoxazin-2-one (I) with o-phenylenediamine in dioxane for 12 h gives 3-phenacylidene-1,2,3,4-tetrahydro-2-quinoxalone (II) (89% yield), which was identified by comparison with a genuine sample [1]. The first step in the reaction is probably nucleophilic attack of the  $C_{(2)}=O$ group rather than transamination of the enamine fragment of benzoxazinone I, for which the absence of chromatographic traces of quinoxalone II after refluxing 3-phenacylidene-1-phenyl-1,2,3,4-tetrahydro-2-quinoxalone with o-phenylenediamine for many hours may serve as an indirect confirmation.



## LITERATURE CITED

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