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## Synthesis of biological active derivatives of diphenyloxyde in the presence promoting additives

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### Abstract

The results of investigation of the formation of diphenyl oxide and its derivatives are based on the reaction of nitrochlorobenzene with substituted phenols in heterophase medium (potassium carbonate and *N,N*-dimethylformamide) in the presence of the promoter additives – iron(III) oxide. The conditions and the forms of hematite permit to reduce the time of the reaction. Based on the analysis of the data it has been suggested about the possible nature of the process. This effect has been observed for the number of substituted phenols.