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### STEREOCHEMISTRY AND KINETICS OF THE ALKOXY-ALKOXY EXCHANGE IN SULPHINATES

J. Drabowicz<sup>a</sup>; H. Slebocka-tilk<sup>a</sup>; M. Mikolajczyk<sup>a</sup>

<sup>a</sup> Polish Academy of Sciences, Department of Organic, Centre of Molecular and Macromolecular Studies, Poland

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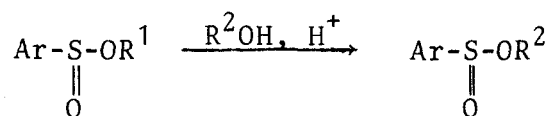
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# STEREOCHEMISTRY AND KINETICS OF THE ALKOXY-ALKOXY EXCHANGE IN SULPHINATES

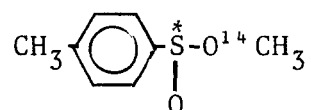
J. Drabowicz, H. Ślebocka-Tilk and M. Mikołajczyk

Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Department of Organic Sulphur Compounds, 90-362 Łódź, Boczna 5, Poland

The present communication will describe the results of our studies on the stereochemistry and kinetics of the transesterification reaction of aromatic sulphinic acid esters catalysed by strong acids.



It was found that the stereospecificity of the alkoxy-alkoxy exchange at the sulphinyl centre depends on the nature of the acidic catalyst.



\*optically active centre

In the next stage of the work optically active methyl p-tolylsulphinate containing carbon 14 in the methoxy group was prepared and used for the racemisation and the isotopic methoxy-methoxy exchange studies. The mechanism of the nucleophilic substitution at sulphur will be discussed in view of the results obtained.