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Terpinolene monoxide and dioxide and isomerization of the monoxide under the influence of zinc bromide

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Abstract

1. We synthesized terpinolene monoxide (4,8-epoxy-p-menthene-1) and dioxide for the first time and confirmed their structure from their NMR and IR spectra. 2. The isomerization of 4,8-epoxy-p-menthene-1 under the influence of zinc bromide was studied. Two isomeric ketones with the composition C₁₀H₁₆O were isolated in individual form; analysis of their PMR spectra provided a basis for assigning them a seven-member ring structure. © 1971 Consultants Bureau.

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