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Investigations of polyfunctional oxides - V. PMR spectra, configurations, and conformations of 2,2,4-trialkyl-5-(2-carboalkoxyvinyl)-1,3-dioxolanes and 2,2,4-trialkyl-5-(2-carboalkoxyethyl)-1,3-dioxolanes

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Abstract

The reaction of esters of 4,5-epoxy-2-hexenoic acid with ketones in the presence of acid catalysts gives 2,2,4-trialkyl-5-(2-carboalkoxyvinyl)-1,3-dioxolanes, the hydrogenation of which gives the corresponding saturated dioxolanes. The conformations and configurations of the dioxolanes obtained were studied by means of their PMR spectra. © 1974 Consultants Bureau.

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