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Transformations of peroxide Δ^3-carene and (-)-α-pinene ozonolysis products by the action of hydrazine sulfate in isopropanol

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Abstract

The reactivity and chemoselectivity of the hydrazine sulfate as the new reagent in the transformations of peroxide ozonolysis products of cyclic monoterpenes (Δ^3-carene and (-)-α-pinene) in comparison with the known semicarbazide hydrochloride was studied. It is shown that the sulphate hydrazide derivative is less active, and also less selective reagent (with respect to the (-)-α-pinene) in the reaction with peroxidic products of the ozonolysis of Δ^3-carene and (-)-α-pinene in comparison with semicarbazide hydrochloride.

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