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Preparation and structure of 2-acetyl-2,3-epoxycarane

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Abstract

1. 2-Acetyl- α -2,3-epoxycarane which exists in solution as a single gauche conformer with minimal polarity was synthesized by the epoxidation of 2-acetyl-2-carene by perphthalic acid. 2. The conjugation in the system of double bonds in 2-acetyl-2-carene is disturbed due to acoplanarity of the C=C-C=O fragment. © 1982 Plenum Publishing Corporation.

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