Synthesis and molecular structure of 4-acetyl-5-carboxymethyl-5-methyl-2-oxo-3-phenyloxolane

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Abstract

4t-Acetyl-5c-carboxymethyl-5t-methyl-2t-oxo-3r-phenyloxolane with oxolane ring in the form of “half-chair”, trans-positioned pseudoequatorial phenyl – and acetyl group was obtained by peroxide oxidation of 2t,4t-diacetyl-5t-hydroxy-5c-methyl-3r-phenylcyclohexanone.