

## Cyclopropanecarbaldehyde with two protected hydroxymethyl groups

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### Abstract

3,5-Dioxabicyclo[5.1.0]octane-8-carbaldehyde was synthesized in three steps, including initial stereoselective exo-cyclopropanation of 1,3-dioxacyclohept-5-ene with ethyl diazoacetate. The subsequent phosphorylation according to Abramov and Kabachnik-Fields gave the corresponding  $\alpha$ -hydroxy(acetoxy)- and  $\alpha$ -aminocyclopropylmethylphosphonates with protected hydroxymethyl moieties at the three-membered ring. © 2007 Pleiades Publishing, Ltd.

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