

Abstract

Intermediates And Process For The Preparation Of An Antiviral Agent

(1R,trans) Diprotected 3-methylene-1,2-cyclopropanedimethanol is oxidized to an optically active diol intermediate which is then cyclized to an orthoester intermediate, and then converted to the (2S-trans)diprotected 2,3-bis(hydroxymethyl)cyclobutanone. This cyclobutanone is useful as an intermediate in the preparation of the antiviral agent [1R-(1 α ,2 β ,3 α)]-2-amino-9-[2,3-bis(hydroxymethyl)cyclobutyl]-1,9-dihydro-6H-purin-6-one.