

Title (en)
PROCESS FOR PREPARATION OF 9,11-g(b)-EPOXIDE STEROIDS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON 9,11 BETA-EPOXIDE STEROIDE

Title (fr)
PROCEDES DE PREPARATION DE STEROIDES 9,11-g(b)-EPOXIDE

Publication
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Application
EP 96944777 A 19961218

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Abstract (en)
[origin: WO9722616A1] Disclosed is a process for producing the epoxy steroid (1.0) wherein R<1> is selected from H, -OH, or C1, and R<2> is selected from hydrogen or lower alkyl. The process comprises reacting the triene of Formula (2.0) with a brominating or chlorinating agent in DMF containing a catalytic amount of 70 % HC1O4, at a temperature of about 0 to about +40 DEG C to produce the corresponding bromoformate (3.0) or chloroformate (3.0A) wherein when R<1> is H then R<3> is H; and when R<1> is -OH then R<3> is a suitably protected -OH group; and when R<1> is C1 then R<3> is C1. The bromoformate or chloroformate is then reacted, at a temperature of about -20 to about +10 DEG C, with a strong base in an organic solvent mixture comprising: (a) THF or CH2C12 and (b) a C1 to C6 alkanol or acetonitrile, to produce the epoxy steroid (1.0).

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