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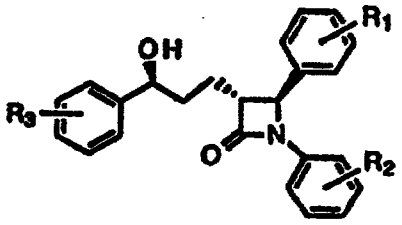
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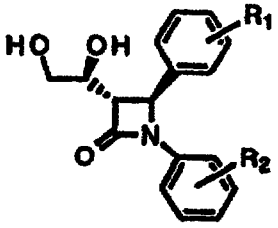
(54) Title: 3-HYDROXY GAMMA-LACTONE BASED ENANTIOSELECTIVE SYNTHESIS OF AZETIDINONES

(57) Abstract

The invention relates to a process for producing a compound of formula (I) wherein R_1, R_2 and R_3 are as defined in the specification, which comprises reacting a lactone with an imine to obtain a chiral diol of formula (IV) oxidizing the diol, condensing the resultant aldehyde with an enolether, hydrogenating the product, and chirally catalytically reducing the resultant ketone.



(I)



(IV)