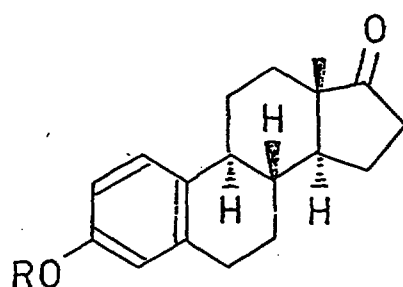


Abstract

Method for producing (+)-estrone derivatives

The present invention provides a method for producing (+)-estrone derivatives, characterized in that it comprises starting from a certain cyclopentadiene derivative, reacting the derivative with a certain diene compound by an asymmetric Diels-Alder reaction, and via intermediates obtaining a (+)-estron derivative represented by the following formula:



wherein R is alkyl of 1-20 carbon atoms.

According to the present invention, (+)-estron derivatives can be obtained by limited steps from the starting materials of dicyclopentadiene derivatives.

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