Title (en)
METHOD FOR PRODUCING BICYCLIC 1,3-DIKETONES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON BICYCLISCHEN 1,3-DIKETONEN

Title (fr)
PROCEDE DE PRODUCTION DE 1,3-DICETONES BICYCLIQUES

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Abstract (en)
[origin: WO0206197A2] The invention relates to a method for producing compounds of formula (I), whereby: a) a bicyclic olefin of formula (II) is reacted with haloform in the presence of a base to produce the ring-enlarged product of formula (III); b) the compound of formula (III) is hydrolyzed to produce the allyl alcohol of formula (IV); c) the allyl alcohol of formula (IV) is oxidized to produce the unsaturated ketone of formula (V); d) the ketone of formula (V) is reacted with a nucleophilic ion Y, which stabilizes a negative charge, to produce the ketone of formula (VI), and; e) the ketone of formula (VI) is hydrolyzed to produce the bicyclic 1,3-diketone of formula (I). In formulas (I) to (VI), R<1>-R<5>, X, Y and Z have the meanings as cited in the description. The invention also relates to novel intermediate products and to novel methods for producing these intermediate products.

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