

Title (en)  
METHOD FOR PREPARING COMPOUNDS DERIVED FROM THIAZOLIDINEDIONE, OXAZOLIDINEDIONE OR HYDANTOIN

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON THIAZOLIDINDION-DERIVATEN ODER VON OXAZOLIDINDION-DERIVATEN

Title (fr)  
PROCEDE DE PREPARATION DE COMPOSES DERIVES DE THIAZOLIDINEDIONE D'OXAZOLIDINEDIONE

Publication  
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Application  
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Abstract (en)  
[origin: US2004059121A1] A method for preparing a thiazolidinedione, oxazolidinedione or hydantoin compound of formula (I) from a compound of formula (II): wherein Q represents an oxygen atom or a sulfur atom; Q1 represents an oxygen atom or a sulfur atom; R1 and R2, which can be identical or different, represent a hydrogen atom, a C1-10 alkyl chain, a cycloalkyl, an alkylaryl, an arylalkyl; the alkyl, cycloalkyl, alkylaryl or arylalkyl groups being optionally substituted by an alkyl, an alkoxy or aryloxy, a halogen, a hydroxy, a sulfino, a sulfonyl, an amino such as NH<sub>2</sub>, NHR<sub>3</sub>, N(R<sub>3</sub>)<sub>2</sub>, wherein R<sub>3</sub> represents an alkyl, an alkoxy or an alkylcarbonyl, reacting a compound of formula (II) with formic acid, either as a hydrogen donor in a hydrogen-transfer reaction or as a solvent in a hydrogenation reaction, in the presence of a catalyst containing a transition metal to obtain a corresponding compound of formula (I).

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