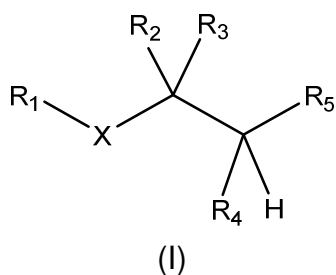


METHOD FOR PREPARING A SULFUR OR SELENISED COMPOUND BY THIOLENE REACTION

ABSTRACT

The invention relates to a method for preparing a compound of formula (I)
[Chem I]



wherein

X is selected from S, Se;

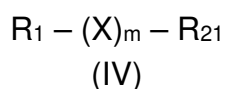
R₁ is selected from the alkyl, aryl, alkylaryl and heteroaryl groups, possibly carrying one or several function(s),

R₂, R₃ and R₄ are selected, independently of each other, amongst H and the alkyl, aryl and alkylaryl groups; or R₂ and R₄ form together a C5-C10 carbon cycle;

R₅ is selected from H and the alkyl, aryl and alkylaryl groups, or represents a hydrocarbon group or chain, possibly functionalized,

which method comprises the reaction of a compound of formula (IV)

[Chem IV]



wherein

X is selected from S and Se;

m = 1 or 2;

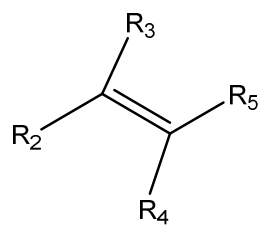
R₁ is as defined hereinabove for the compound (I); and

if m = 1, R₂₁ represents H;

if m = 2, R₂₁ is selected from the alkyl, aryl and alkylaryl groups.

with a compound of formula (V):

[Chem V]



(V)

where R₂, R₃, R₄ and R₅ are as defined hereinabove for the compound of formula (I),

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by irradiation with radiations having a wavelength from 200 to 800 nm in the presence of at least one compound carrying at least one function selected from the alcohol, carboxylic acid, thioether and selenoether functions.

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[No Suitable Figure]