Title (en)
METHOD FOR PREPARING A SULFUR OR SELENISED COMPOUND BY THIOLENE REACTION

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER SCHWEFEL- ODER EINER SELENISIERTEN VERBINDUNG DURCH THIOLENREAKTION

Title (fr)
PROCEDE DE PREPARATION D'UN COMPOSE SOUFRE OU SELENIE PAR REACTION THIOLENE

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Abstract (en)
[origin: WO2020201412A1] The invention relates to a method for preparing a compound of formula (I) [Chem I], in which X is chosen among S, Se; R1 is chosen from among the alkyl, aryl, alkylaryl and heteroaryl groups, optionally carriers of one or more function, R2, R3 and R4 are chosen, independently of each other, from among H and the alkyl, aryl and alkylaryl groups; or R2 and R4 together form a C5-C10 carbon ring; R5 is chosen from among H and the alkyl, aryl and alkylaryl groups, or represents a group or a hydrocarbon chain, optionally functionalised, said method comprising the reaction of a compound of formula (IV) [Chem IV]: R1 – (X)m – R21, in which X is chosen from among S and Se; m = 1 or 2; R1 is as defined above for compound (I); and if m = 1, R21 represents H; if m = 2, R21 is chosen from among the alkyl, aryl and alkylaryl groups with a compound of formula (V): [Chem V], where R2, R3, R4 and R5 are as defined above for the compounds of formula (I), by irradiation with radiation at a wavelength from 200 to 800 nm in the presence of at least one carrier compound of at least one function chosen from among alcohol, carboxylic acid, thioether and selenoether functions.

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