Title (en)

IMPROVED METHOD FOR SYNTHESISING FUNCTIONALISED MERCAPTANS

Title (de)

VERBESSERTES VERFAHREN ZUR SYNTHESE FUNKTIONALISIERTER MERCAPTANE

Title (fr)

PROCEDE AMELIORE DE SYNTHESE DE MERCAPTANS FONCTIONNALISES

Publication

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Application

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Abstract (en)

[origin: WO2022018352A1] The present invention relates to a method for synthesising functionalised mercaptans, essentially in the absence of oxygen, as well as a composition particularly for implementing said method. The functionalised mercaptans have the following formula (I): R2-X-C*H(NR1R7)-(CH2)n-SH (I) wherein R1 and R7, which are either identical or different, are a hydrogen atom or a saturated or unsaturated, linear, branched or cyclic hydrocarbon chain, which is aromatic or non-aromatic, having between 1 and 20 carbon atoms and possibly comprising one or more heteroatoms; X is selected from –C(=O)-, –CH2- or –CN; R2 is: (i) either zero when X represents –CN, (ii) or a hydrogen atom, (iii) or –OR3, R3 is a hydrogen atom or a saturated or unsaturated, linear, branched or cyclic hydrocarbon chain, which is either aromatic or non-aromatic, having between 1 and 20 carbon atoms and which may comprise one or more heteroatoms, (iv) or – NR4R5, R4 and R5, which are either identical or different, are a hydrogen atom or a saturated or unsaturated, linear, branched or cyclic hydrocarbon chain, which is either aromatic or non-aromatic, having between 1 and 20 carbon atoms and possibly comprising one or more heteroatoms; n is equal to 1 or 2; and * represents an asymmetric carbon atom.

IPC 8 full level

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