Title (en)
HYDROXYALKYL STARCH DERIVATIVES AS REACTANTS FOR COUPLING TO THIOL GROUPS

Title (de)
HYDROXYALKYL-STÄRKEDERIVATE ALS REAKTIONSMITTEL ZUM KOPPELN AN THIOLGRUPPEN

Title (fr)
DÉRIVÉS D'HYDROXYALKYLAMIDON UTILISÉS COMME RÉACTIFS POUR COUPLAGE À DES GROUPES THIOL

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Abstract (en)
[origin: WO2014147175A1] The present invention relates to a hydroxyalkyl starch (HAS) derivative of formula (I), wherein X is a leaving group, preferably selected from the group consisting of Ts, Ms, Cl, Br and I; Fl is a functional group comprising the group -NR'-, with R' being H or alkyl; L1 is a spacer bridging F1 and S; L2 is a spacer bridging -NRx- and -NRy-; Rx and Ry are, independently of each other, H or alkyl, and optionally form together with the moiety N-L2-N a ring; HAS' is the remainder of the HAS molecule and Rb and Rc are -[(CR1R2)mO]n-H and are the same or different from each other; Ra is -[(CR1R2)mO]n-H with HAS' being the remainder of the hydroxyalkyl starch molecule, or Ra is HAS" with HAS' and HAS" together being the remainder of the hydroxyalkyl starch molecule; R1 and R2 are independently hydrogen or an alkyl group having from 1 to 4 carbon atoms, m is 2 to 4, wherein R1 and R2 are the same or different from each other in the m groups CR1R2; n is from 0 to 6.

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