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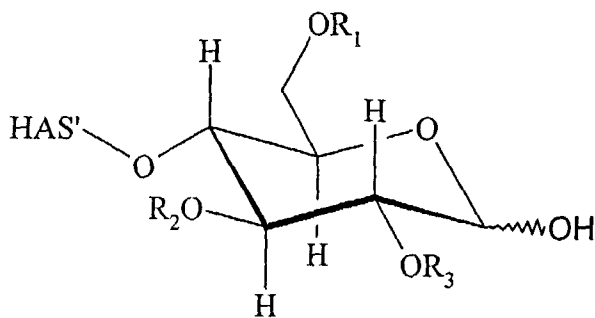
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(54) Title: METHOD OF PRODUCING HYDROXYALKYL STARCH DERIVATIVES



(I)

(57) Abstract: The present invention relates to a method of producing a hydroxyalkyl starch derivative, said hydroxyalkyl starch having a structure according to formula (I) comprising reacting - hydroxyalkyl starch or formula (I) at its optionally oxidized reducing end or - a hydroxyalkyl starch derivative, obtainable by reacting hydroxyalkyl starch of formula (I) at its optionally oxidized reducing end with a compound (D), said compound (D) comprising - at least one functional group Z₁ capable of being reacted with the optionally oxidized reducing end of the hydroxyalkyl starch, and at least one functional group W, with a compound (L) comprising at least

one functional group Z₁ capable of being reacted with said hydroxyalkyl starch, or at least one functional group Z₂ capable of being reacted with functional group W comprised in said hydroxyalkyl starch derivative, and at least one functional group X capable of being reacted with a functional group Y of a further compound (M), wherein said functional group Y is selected from the group consisting of an aldehyd group, a keto group, a hemiacetal group, an acetal group, and a thio group. The present invention further relates to the hydroxyalkyl starch derivatives as such and a pharmaceutical composition comprising the hydroxyalkyl starch derivatives.

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