

Title (en)

HEXADECASACCHARIDE-PROTEIN CONJUGATE VACCINE FOR *Shigella dysenteriae* TYPE 1

Title (de)

IMPfstoff gegen *Shigella dysenteriae* 1 auf Basis eines Hexadecasaccharidprotein-Konjugates

Title (fr)

Vaccin conjugué hexadecasaccharide-protéine contre *Shigella dysenteriae* de type 1

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9903871A1] The present invention pertains to isolated natural, modified natural or synthetic oligo- or polysaccharides which have [3]- alpha -L-Rhap-(1)2)- alpha -D-Galp-(1)3)- alpha -D-GlcpNAc-(1)3)- alpha -L-Rhap-(1)}n subunits and which are structurally related to and/or antigenically similar to an antigenic determinant of the O-specific polysaccharide of *Shigella dysenteriae* type 1. The oligo- or polysaccharides may be conjugated to a carrier to form conjugates. These oligo- or polysaccharides and conjugates thereof are immunogenic and elicit serum antibodies that are bactericidal or bacteriostatic against *Shigella dysenteriae*, in particular *Shigella dysenteriae* type 1, and are useful in the prevention and treatment of shigellosis. These oligo- or polysaccharides and conjugates thereof, and the antibodies which they elicit, are also useful for diagnosing shigellosis caused by *Shigella dysenteriae* type 1.

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