

Title (en)

COMPOSITIONS AND METHODS FOR INHIBITING FUNGAL CELL WALL FORMATION

Title (de)

MITTEL UND VERFAHREN ZUR HEMMUNG DER ZELLWANDBILDUNG VON PILZEN

Title (fr)

COMPOSITIONS ET PROCEDES POUR INHIBER LA FORMATION DE CERTAINES PAROIS CELLULAIRES FONGIQUES

Publication

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Application

**EP 96906177 A 19960102**

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Abstract (en)

[origin: WO9620717A1] Disclosed herein are antifungal compositions having an oligosaccharide that includes an N-acetylhexosamine residue linked beta (1)4) to a hexose and a biologically acceptable carrier. The isolation of the fungal enzyme chitin glucan beta (1)4) transferase (CG beta (1)4)T) is disclosed along with methods for using this enzyme in an assay for antifungal agents. CG beta (1)4)T catalyses the formation of a beta (1)4) linkage between the terminal reducing N-acetylglucosamine residue of chitin and the non-reducing glucose residue of beta (1)3) linked glucans. Inhibitors of the enzyme, antifungals including such inhibitors, methods for the prevention and the treatment of fungal infections in animals and plants, and screening methods for identifying antifungals are also disclosed.

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