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(71) Applicant (for all designated States except US):
OXYRANE UK LIMITED [GB/GB]; Greenheys House,
Manchester Science Park, 10 Pencroft Way, Manchester
M15 6JJ (GB).

(72) Inventor; and

(71) Applicant (for all designated States except US): **NOEL-
LA, Gwenda, Pynaert** [BE/BE]; Riethulstraat 7, B-9880
Aalter (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PIENS, Kathleen
Camilla, Telesphore Alida Maria** [BE/BE]; Citadellaan
54, B-9000 Gent (BE). **VALEVSKA, Albena, Vergilieva**
[BE/BE]; Maaltebruggestraat 197, B-9000 Gent (BE).

VERVECKEN, Wouter [BE/BE]; Edmond Van Hoore-
bekestraat 90, B-9050 Gent-ledeberg (BE).

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(54) Title: MANNOSIDASES CAPABLE OF UNCAPPING MANNOSE-1-PHOSPHO-6-MANNOSE LINKAGES AND DEMANNOSYLATING PHOSPHORYLATED N-GLYCANS AND METHODS OF FACILITATING MAMMALIAN CELLULAR UPTAKE OF GLYCOPROTEINS

(57) Abstract: The invention provides mannosidases capable of uncapping mannose-1-phospho- 6-mannose moieties and demannosylating phosphorylated N-glycans, methods of using such mannosidases, glycoproteins produced using the methods, as well as methods of facilitating mammalian cellular uptake of glycoproteins.



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