Title (en)

CONJUGATE OF POLYETHYLENE GLYCOL AND CHITOSAN

Title (de)

KONJUGAT AUS POLYÄTHYLENGLYKOL UND CHITOSAN

Title (fr)

CONJUGUE DE POLYETHYLENEGLYCOL ET DE CHITOSANE

Publication

EP 0993483 A1 20000419 (EN)

Application

EP 98932368 A 19980703

Priority

- GB 9801971 W 19980703
- GB 9713980 A 19970703

Abstract (en)

[origin: WO9901498A1] PEG-chitosan conjugates comprising chitosan and polyethylene glycol moieties or derivatives thereof which are bonded together and their use in medicine is described. In one embodiment, the conjugate comprises a chitosan moiety or a derivative thereof and a polyethylene glycol moiety or a derivative thereof which are bonded together via the amino function on the chitosan by the use of an activated chitosan species. In another embodiment, the conjugate comprises a chitosan moiety or a derivative thereof and a polyethylene glycol moiety or a derivative thereof which are bonded together, the chitosan portion of the conjugate having a molecular weight in the range of from 10 kilodalton to 1000 kilodalton.

IPC 1-7

C08G 81/00; C08B 37/08; A61K 31/715; A61K 9/127; A61K 9/50; A61K 9/16

IPC 8 full level

A61K 9/127 (2006.01); **A61K 9/16** (2006.01); **A61K 9/50** (2006.01); **A61K 9/51** (2006.01); **A61K 45/00** (2006.01); **A61K 47/48** (2006.01); **A61P 31/04** (2006.01); **A61P 31/10** (2006.01); **A61P 31/12** (2006.01); **C08B 37/08** (2006.01); **C08G 81/00** (2006.01); A61K 9/00 (2006.01)

CPC (source: EP)

A61K 9/1652 (2013.01); **A61K 9/5161** (2013.01); **A61K 47/61** (2017.07); **A61P 31/04** (2017.12); **A61P 31/10** (2017.12); **A61P 31/12** (2017.12); **C08B 37/003** (2013.01); **C08G 81/00** (2013.01); A61K 9/0034 (2013.01); A61K 9/0043 (2013.01); A61K 9/0048 (2013.01)

Citation (search report)

See references of WO 9901498A1

Cited by

WO2008091588A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9901498 A1 19990114; AU 8230598 A 19990125; EP 0993483 A1 20000419; EP 1304346 A2 20030423; EP 1304346 A3 20030502; GB 9713980 D0 19970910; JP 2002508020 A 20020312; ZA 985831 B 20000110

DOCDB simple family (application)

GB 9801971 W 19980703; AU 8230598 A 19980703; EP 02079756 A 19980703; EP 98932368 A 19980703; GB 9713980 A 19970703; JP 50668599 A 19980703; ZA 985831 A 19980702