

Title (en)
OLIGOSACCHARIDES HAVING GROWTH FACTOR BINDING AFFINITY.

Title (de)
OLIGOSACCHARIDE MIT BINDUNGSAFFINITÄT FÜR DEN WACHSTUMFAKTOR.

Title (fr)
OLIGOSACCHARIDES PRESENTANT UNE AFFINITE DE LIAISON AU FACTEUR DE CROISSANCE.

Publication
EP 0632818 A1 19950111 (EN)

Application
EP 93906734 A 19930323

Priority
• GB 9300597 W 19930323
• GB 9206291 A 19920323

Abstract (en)
[origin: WO9319096A1] Oligosaccharides having a high specific binding affinity for FGF growth factors and made up of less than ten disaccharide units in all are disclosed which include sulphated disaccharide units composed of an N-sulphated glucosamine residue and a 2-0-sulphated iduronic acid residue. A method is also disclosed for preparing these oligosaccharides in a purified and relatively homogeneous state from glycosaminoglycans such as heparan sulphate. For the best FGF-binding affinity there are preferably at least four of the sulphated disaccharide units arranged as an internal contiguous sequence. The most favoured structures contain fourteen monosaccharide residues in all, but structures having twelve monosaccharide residues can also have quite high FGF-binding affinity, at least for bFGF. These oligosaccharides can either activate and stimulate FGF activity or inhibit FGF activity, and uses thereof as drugs for therapeutic purposes in medicine are also disclosed.

IPC 1-7
C08B 37/10; **A61K 31/725**

IPC 8 full level
C08B 37/10 (2006.01); **C07H 3/06** (2006.01); **C08B 37/00** (2006.01)

CPC (source: EP)
C07H 3/06 (2013.01); **C08B 37/0078** (2013.01)

Citation (search report)
See references of WO 9319096A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9319096 A1 19930930; AU 3763293 A 19931021; CA 2132750 A1 19930930; EP 0632818 A1 19950111; GB 2265905 A 19931013; GB 2265905 B 19950125; GB 9206291 D0 19920506; GB 9305979 D0 19930512; JP H07505179 A 19950608

DOCDB simple family (application)
GB 9300597 W 19930323; AU 3763293 A 19930323; CA 2132750 A 19930323; EP 93906734 A 19930323; GB 9206291 A 19920323; GB 9305979 A 19930323; JP 51639393 A 19930323