

Title (en)
HEPARIN CONJUGATES AND METHODS

Title (de)
HEPARIN-KONJUGATE UND VERFAHREN

Title (fr)
CONJUGUÉS D'HÉPARINE ET PROCÉDÉS ASSOCIÉS

Publication
EP 2173359 A2 20100414 (EN)

Application
EP 08778410 A 20080627

Priority
• KR 2008003731 W 20080627
• US 82459407 A 20070629

Abstract (en)
[origin: WO2009005258A2] Heparin conjugates and methods of making and use thereof are disclosed. An illustrative heparin conjugate includes a composition wherein a bile acid is bonded to heparin through the 3-carbon of the bile acid. A spacer may be interposed between the bile acid and the heparin. Another embodiment includes a targeting moiety bonded to the heparin-bile acid conjugate through a spacer. Another illustrative heparin conjugate includes heparin covalently bonded to a sulfonated moiety, such as naphthalene trisulfonate residue. A method of treating cancer includes administering a heparin conjugate to an individual in need thereof.

IPC 8 full level
A61K 31/715 (2006.01); **A61K 31/54** (2006.01); **A61L 33/00** (2006.01); **C08L 5/10** (2006.01); **C12N 9/50** (2006.01)

CPC (source: EP KR)
A61K 31/575 (2013.01 - KR); **A61K 31/727** (2013.01 - KR); **A61K 47/551** (2017.07 - EP); **A61K 47/554** (2017.07 - EP);
A61K 47/64 (2017.07 - EP); **A61K 47/66** (2017.07 - EP); **B82Y 5/00** (2013.01 - EP); **C08B 37/0081** (2013.01 - EP); **C08L 5/10** (2013.01 - EP)

Citation (search report)
See references of WO 2009005258A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009005258 A2 20090108; **WO 2009005258 A3 20090226**; EP 2173359 A2 20100414; KR 101027161 B1 20110405;
KR 20090003128 A 20090109

DOCDB simple family (application)
KR 2008003731 W 20080627; EP 08778410 A 20080627; KR 20080061613 A 20080627