

Title (en)

ANTAGONISTS OF BMP9, BMP10, ALK1 AND OTHER ALK1 LIGANDS, AND USES THEREOF

Title (de)

ANTAGONISTEN VON BMP9, BMP10, ALK1 UND ANDEREN ALK1-LIGANDEN, UND ANWENDUNGEN DAVON

Title (fr)

ANTAGONISTES DE BMP9 ET BMP10, ALK1 ET AUTRES LIGANDS ALK1, ET LEURS UTILISATIONS

Publication

**EP 2291401 A2 20110309 (EN)**

Application

**EP 09746978 A 20090515**

Priority

- US 2009003016 W 20090515
- US 5364408 P 20080515

Abstract (en)

[origin: WO2009139891A2] In certain aspects, the present disclosure relates to the insight that a polypeptide comprising a ligand-binding portion of the extracellular domain of activin-like kinase I (ALK1) polypeptide may be used to inhibit angiogenesis in vivo, particularly in mammals suffering angiogenesis-related disorders. In certain aspects, the disclosure demonstrates that antagonists of BMP9 and/or BMP10, ligands for ALK1, may also be used to inhibit angiogenesis in vivo.

IPC 8 full level

**C07K 16/18** (2006.01); **A61P 35/00** (2006.01); **A61P 37/00** (2006.01)

CPC (source: EP)

**A61P 35/00** (2017.12); **A61P 37/00** (2017.12); **C07K 16/28** (2013.01); **A61K 2039/505** (2013.01)

Citation (search report)

See references of WO 2009139891A2

Citation (examination)

- WO 2009061807 A2 20090514 - GENENTECH INC [US], et al
- WO 2009134428 A2 20091105 - ACCELERON PHARMA INC [US], et al
- WO 2006091930 A2 20060831 - MASSACHUSETTS EYE & EAR INFIRM [US], et al
- ANONYMOUS: "Recombinant Human ALK-1/Fc Chimera. Catalog Number: 370-AL", INTERNET CITATION, 25 April 2001 (2001-04-25), pages 1, XP002491220, Retrieved from the Internet <URL:http://www.rndsystems.com/pdf/370-al.pdf> [retrieved on 20080806]

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**WO 2009139891 A2 20091119; WO 2009139891 A3 20100218; CA 2724525 A1 20091119; EP 2291401 A2 20110309**

DOCDB simple family (application)

**US 2009003016 W 20090515; CA 2724525 A 20090515; EP 09746978 A 20090515**