

Title (en)

NOVEL SDF-1-BASED GLYCOSAMINOGLYCAN ANTAGONIST AND METHODS OF USING SAME

Title (de)

NEUARTIGE SDF-1-BASIERTER GLYCOSAMINOGLYCAN-ANTAGONIST UND VERFAHREN ZU IHRER VERWENDUNG

Title (fr)

NOUVEL ANTAGONISTE DE GLYCOSAMINOGLYCANE À BASE DE SDF-1 ET SES MÉTHODES D'UTILISATION

Publication

**EP 2729487 A2 20140514 (EN)**

Application

**EP 12733152 A 20120709**

Priority

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- EP 2012063438 W 20120709
- EP 12733152 A 20120709

Abstract (en)

[origin: WO2013007704A2] The present invention relates to novel SDF-1 mutant polypeptides with increased GAG binding affinity and reduced GPCR activity compared to wild type SDF-1 protein wherein said SDF-1 polypeptide is modified in a structure-conserving way by replacing glutamine at position 60 by a basic or electron donating amino acid and by replacing at least one additional amino acid at position 29, 39, 49, 67 and/or 68 according to the numbering of SEQ ID NO 1 by at least one basic and/or electron donating amino acid and wherein at least one amino acid of the first 1 to 10 amino acids of the N-terminal region of the wild type SDF-1 polypeptide is modified by addition, deletion and/or replacement of at least one amino acid and methods for producing these mutants and to their use for preparing medicaments for the treatment of cancer.

IPC 8 full level

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