Title (en)

INHIBITION OF ANGIOGENESIS BY HIGH MOLECULAR WEIGHT KININOGEN AND PEPTIDE ANALOGS THEREOF

Title (de)

HEMMUNG VON ANGIOGENESE DURCH HOCHMOLEKULARES KININOGEN UND PEPTIDANALOGA DAVON

Title (fr)

INHIBITION DE L'ANGIOGENESE PAR DU KININOGENE DE POIDS MOLECULAIRE ELEVE ET ANALOGUES PEPTIDIQUES DUDIT KININOGENE

Publication

EP 1137659 A4 20050810 (EN)

Application

EP 99962723 A 19991105

Priority

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- US 10783398 P 19981110

Abstract (en)

[origin: WO0027866A1] Two-chain high molecular weight kininogen, and peptide analogs thereof having homology to sites within kininogen domain 5, are potent inhibitors of angiogenesis. The peptides have the formula X1-His-Lys-X-Lys-X2 wherein X is any amino acid, X1 is from zero to twelve amino acids, more preferably from zero to six amino acids, most preferably from zero to three amino acids, and X2 is from zero to twelve amino acids, more preferably from zero to six amino acids, most preferably from zero to three amino acids. X is preferably an amino acid having a nonpolar side chain, or a polar side chain which is uncharged at pH 6.0 to 7.0. X is most preferably Asn, Phe or His. Methods of inhibiting endothelial cell proliferation and angiogenesis are provided.

IPC 1-7

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C12N 5/07 (2010.01); **A61K 38/00** (2006.01); **A61K 38/48** (2006.01); **A61P 9/00** (2006.01); **A61P 27/02** (2006.01); **A61P 35/00** (2006.01); **A61P 43/00** (2006.01); **C07K 7/08** (2006.01); **C07K 14/00** (2006.01); **C07K 14/81** (2006.01); **C12N 5/071** (2010.01)

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- No further relevant documents disclosed
- See references of WO 0027866A1

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