

Title (en)
COMPOSITIONS AND METHODS FOR TREATING CONDITIONS RELATED TO EPHRIN SIGNALING WITH CUPREDOXINS AND MUTANTS THEREOF

Title (de)
ZUSAMMENSETZUNGEN UND VERFAHREN ZUR BEHANDLUNG VON EPHRINSIGNALISIERUNG MIT CUPREDOXINEN UND MUTANTEN DAVON

Title (fr)
COMPOSITIONS ET MÉTHODES PERMETTANT DE TRAITER DES AFFECTIONS ASSOCIÉES À LA SIGNALISATION DE L'ÉPHRINE AVEC DES CUPREDOXINES ET DES MUTANTS DE CELLES-CI

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Abstract (en)
[origin: WO2008086523A2] The present invention relates to compositions and methods of use of cupredoxins, and variants, derivatives and structural equivalents of cupredoxins that interfere with the ephrin signaling system in mammalian cells. Specifically, the invention relates to compositions and methods that use cupredoxins, such as azurin, rusticyanin and plastocyanin, and variants, derivatives and structural equivalents thereof, to treat cancer in mammals. The invention specifically includes mutants with altered Eph binding constants and selectivities.

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A61K 38/00 (2006.01)

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C07K 14/21 (2013.01); **A61K 38/00** (2013.01)

Citation (search report)
• [X] WO 2005018662 A1 20050303 - UNIV ILLINOIS [US], et al
• [EL] US 2008221015 A1 20080911 - CHAUDHARI ANITA [US], et al
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• [XDI] KOOLPE M ET AL: "EphB receptor-binding peptides identified by phage display enable design of an antagonist with ephrin-like affinity", JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY FOR BIOCHEMISTRY AND MOLECULAR BIOLOGY, INC, US, vol. 280, no. 17, 18 February 2005 (2005-02-18), pages 17301 - 17311, XP002390919, ISSN: 0021-9258, DOI: 10.1074/JBC.M500363200
• [T] CHAUDHARI ANITA ET AL: "Cupredoxin-cancer interrelationship: Azurin binding with EphB2, interference in EphB2 tyrosine phosphorylation, and inhibition of cancer growth", BIOCHEMISTRY, vol. 46, no. 7, February 2007 (2007-02-01), pages 1799 - 1810, XP002613162, ISSN: 0006-2960
• See references of WO 2008086523A2

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