

Title (en)
SUBSTRATES AND INHIBITORS OF ANTIPLASMIN CLEAVING ENZYME AND METHODS OF USE

Title (de)
SUBSTRATE UND HEMMER DES ANTIPLASMIN-SPALTENDEN ENZYMS UND ANWENDUNGSVERFAHREN

Title (fr)
SUBSTRATS ET INHIBITEURS DE L'ENZYME DE CLIVAGE DE L'ANTIPLASMINE ET PROCEDES D'UTILISATION

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Abstract (en)
[origin: WO2007146104A2] The present invention is directed toward inhibitors of antiplasmin cleaving enzyme for use in various therapies related to fibrin and a₂-antiplasmin, and to substrates of APCE, which may be used, for example, in screening methods for identifying such inhibitors. The present invention is further directed to methods of treating or inhibiting atherosclerosis and thrombus disorders by altering the ratios of types of plasma a₂-antiplasmin.

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Citation (search report)

- [X] WO 2004072240 A2 20040826 - MCKEE PATRICK A [US], et al
- [X] JACKSON ET AL.: "Determination of antiplasmin cleaving enzyme substrate specificity and inhibitor development by peptide library analyzes", FASEB JOURNAL; EXPERIMENTAL BIOLOGY 2005 MEETING/35TH INTERNATIONAL CONGRESS OF PHYSIOLOGICAL SCIENCES, FED. OF AMERICAN SOC. FOR EXPERIMENTAL BIOLOGY, BETHESDA, MD, US; SAN DIEGO, CA, USA, vol. 19, no. 4, Suppl. S, Part 1, 4 March 2006 (2006-03-04), pages A864, XP008095875, ISSN: 0892-6638
- [A] LEE KYUNG N ET AL: "Antiplasmin-cleaving enzyme is a soluble form of fibroblast activation protein", BLOOD, AMERICAN SOCIETY OF HEMATOLOGY, US, vol. 107, no. 4, 1 February 2006 (2006-02-01), pages 1397 - 1404, XP002394322, ISSN: 0006-4971
- [X] RAMANUJAM P ET AL: "Novel peptides that inhibit the propagation of Newcastle disease virus.", ARCHIVES OF VIROLOGY MAY 2002, vol. 147, no. 5, May 2002 (2002-05-01), pages 981 - 993, XP009123371, ISSN: 0304-8608
- [X] OLESEN K ET AL: "Extended Subsite Characterization of Carboxypeptidase Y Using Substrates Based on Intramolecularly Quenched Fluorescence", PROTEIN AND PEPTIDE LETTERS, BENTHAM SCIENCE PUBLISHERS, SCHIPHOL, NL, vol. 3, no. 2, 1 January 1996 (1996-01-01), pages 67 - 74, XP009123391, ISSN: 0929-8665
- [T] LEE KYUNG N ET AL: "Using substrate specificity of antiplasmin-cleaving enzyme for fibroblast activation protein inhibitor design.", BIOCHEMISTRY 16 JUN 2009, vol. 48, no. 23, 16 June 2009 (2009-06-16), pages 5149 - 5158, XP002548109, ISSN: 1520-4995
- See references of WO 2007146104A2

Cited by
US8933201B2; US10174077B2

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