9902007-5

IPOS

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C07K 14/54, A61K 38/20 | A1

(11) International Publication Number: **WO 98/18823**

(43) International Publication Date: 7 May 1998 (07.05.98)

(21) International Application Number: PCT/EP96/04738

(22) International Filing Date: 31 October 1996 (31.10.96)

(71) Applicant *(for all designated States except US)*: APPLIED RESEARCH SYSTEMS ARS HOLDING N.V. [NL/NL]; 14 John B. Gorsiraweg, Curacao (AN).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: MUZIO, Marta [IT/IT]; 309 E. Madison, Ann Arbor, MI 48104 (US). INTRONA, Martino [IT/IT]; Via Balzarotti, 12/I, I-20017 Rho (IT). MANTOVANI, Alberto [IT/IT]; Largo Brasilia, 4, I-20146 Milano (IT).

(74) Agent: VANNINI, Mario; Istituto Farmacologico Serono S.p.A., Via Casilina, 125, I-00176 Roma (IT).

(81) Designated States: BR, CA, CN, EE, IL, JP, KR, LT, LV, MX, NO, SG, SI, UA, US, Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published
With international search report.

(54) Title: ICE INHIBITING PEPTIDES

(57) Abstract

The present invention relates to a peptide capable of binding to ICE and/or to enzymes of the ICE family, which peptide consists essentially of the amino acid sequence of SEQ ID NO: 1 reported in the Sequence Listing, in which Xaa is selected between Asp and Ala, optionally containing one or more amino acids at its N-terminal and/or C-terminal end. It also relates to the use of the above peptide, for the preparation of pharmaceutical compositions active in pathologies requiring ICE inhibition and/or inhibition of enzymes of the ICE family.