

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



RTMP
COPY

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification : C07K 5/023, A61K 38/06, 38/07	A1	(11) International Publication Number: WO 95/35308 (43) International Publication Date: 28 December 1995 (28.12.95)
(21) International Application Number: PCT/US95/07617 (22) International Filing Date: 16 June 1995 (16.06.95) (30) Priority Data: 08/261,452 17 June 1994 (17.06.94) US 08/405,581 17 March 1995 (17.03.95) US 08/440,898 25 May 1995 (25.05.95) US (71) Applicant: VERTEX PHARMACEUTICALS INCORPORATED [US/US]; 40 Allston Street, Cambridge, MA 02139-4211 (US). (72) Inventors: BEMIS, Guy, W.; 256 Appleton Street, Arlington, MA 02174 (US). GOLEC, Julian, M., C.; 8 Manor Farm, Chapel Road, Ashbury, Swindon, Wiltshire SN6 8LS (GB). LAUFFER, David, J.; 254 Taylor Road, Stow, MA 01775 (US). MULLICAN, Michael, D.; 110 Parker Road, Needham, MA 02194 (US). MURCKO, Mark, A.; 520 Marshall Street, Holliston, MA 01746 (US). LIVINGSTON, David, J.; 20 Madison Avenue, Newtonville, MA 02160 (US). (74) Agents: HALEY, James, F., Jr. et al.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020-1104 (US).	(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(54) Title: INHIBITORS OF INTERLEUKIN-1 β CONVERTING ENZYME		
(57) Abstract The present invention relates to novel classes of compounds which are inhibitors of interleukin-1β converting enzyme. The ICE inhibitors of this invention are characterized by specific structural and physicochemical features. This invention also relates to pharmaceutical compositions comprising these compounds. The compounds and pharmaceutical compositions of this invention are particularly well suited for inhibiting ICE activity and consequently may be advantageously used as agents against interleukin-1 mediated diseases, including inflammatory diseases, autoimmune diseases and neurodegenerative diseases. This invention also relates to methods for inhibiting ICE activity and methods for treating interleukin-1 mediated diseases using the compounds and compositions of this invention.		