

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C07C 237/22, 271/22, 275/28, C07D 317/60, 213/55, C07C 323/52, C07D 213/75, A61K 31/16, 31/27, 31/36, 31/17	A1	(11) International Publication Number: WO 96/22966 (43) International Publication Date: 1 August 1996 (01.08.96)
(21) International Application Number: PCT/US96/01349 (22) International Filing Date: 18 January 1996 (18.01.96) (30) Priority Data: 08/376,372 23 January 1995 (23.01.95) US (60) Parent Application or Grant (63) Related by Continuation US 08/376,372 (CIP) Filed on 23 January 1995 (23.01.95) (71) Applicant (for all designated States except US): BIOGEN, INC. [US/US]; 14 Cambridge Center, Cambridge, MA 02142 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): ADAMS, Steven, P. [US/US]; 12 Berkeley Lane, Andover, MA 01810 (US). LIN, Ko-Chung [-/US]; 253 Lincoln Street, Lexington, MA 02173 (US). LEE, Wen-Cherng [-/US]; 192 Spring Street, Lexington, MA 02173 (US). CASTRO, Alfredo, C. [US/US]; 31 Glenwood Avenue, Woburn, MA 01801 (US). ZIMMERMAN, Craig, N. [US/US]; 134 Highland Avenue	#6, Somerville, MA 02143 (US). HAMMOND, Charles, E. [US/US]; 4 Chester Avenue, Burlington, MA 01803 (US). LIAO, Yu-Sheng [-/US]; 4401 Stearns Hill Road, Waltham, MA 02154 (US). CUERVO, Julio, Hernan [CO/US]; 16 Elmer Street #303, Cambridge, MA 02138 (US). SINGH, Juswinder [GB/US]; 485 Charles Street, Malden, MA 02148 (US). (74) Agents: HALEY, James, F., Jr. et al.; Fish & Neave, 1251 Avenue of the Americas, New York, NY 10020 (US). (81) Designated States: AL, AM, AT, AU, AZ, 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, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, (SG) SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AZ, BY, KG, KZ, RU, TJ, TM), 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). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the</i> <i>claims and to be republished in the event of the receipt of</i> <i>amendments.</i>	
(54) Title: CELL ADHESION INHIBITORS (57) Abstract The present invention relates to novel compounds that are useful for inhibition and prevention of cell adhesion and cell adhesion-mediated pathologies. This invention also relates to pharmaceutical formulations comprising these compounds and methods of using them for inhibition and prevention of cell adhesion and cell adhesion-mediated pathologies. The compounds and pharmaceutical compositions of this invention can be used as therapeutic or prophylactic agents. They are particularly well-suited for treatment of many inflammatory and autoimmune diseases.		