

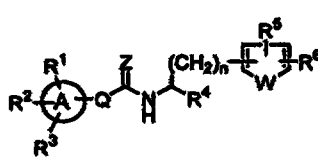
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International Bureau

20000 2818-3 IP0S-Referen



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07C 233/87, 237/30, 271/28, 311/09, C07D 295/14, 333/34, A61K 31/245, 31/33	A1	(11) International Publication Number: WO 99/36393 (43) International Publication Date: 22 July 1999 (22.07.99)
(21) International Application Number: PCT/US99/00993 (22) International Filing Date: 19 January 1999 (19.01.99) (30) Priority Data: ① 60/071,840 20 January 1998 (20.01.98) US (71) Applicant (for all designated States except US): TANABE SEIYAKU CO., LTD. [JP/JP]; 2-10, Dosho-machi 3-chome, Chuo-ku, Osaka 541-8505 (JP). (72) Inventors; and (75) Inventors/Applicants (for US only): SIRCAR, Ha [US/US]; 4832 Riding Ridge Road, San Diego, CA 92130 (US). ② GUDMUNDSSON, Kristjan, S. [CA/US]; 101-T Kildaire Road, Chapel Hill, NC 27516 [US]; MARTIN, Richard [US/US]; 3920 Ingraham Street, No. 11-306, San Diego, CA 92109 (US). (74) Agents: MURPHY, Gerald, M., Jr. et al.; Birch, Stewart, Kolasch & Birch, LLP, P.O. Box 747, Falls Church, VA 22040-0747 (US).	(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published 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. IPD. Take note of symbol (underlined) in Title of Invention.	
(54) Title: INHIBITORS OF $\alpha 4$ MEDIATED CELL ADHESION  (I) (57) Abstract The present invention relates to a pharmaceutical composition comprising as an active ingredient a compound of formula (I), wherein Ring A is an aromatic or a heterocyclic ring; Q is a bond, carbonyl, lower alkylene, lower alkenylene, -O-(lower alkylene)-, etc.; n is 0, 1 or 2; Z is oxygen or sulfur; W is oxygen, sulfur, -CH=CH-, -NH- or -N=CH-; R ¹ , R ² and R ³ are the same or different and are hydrogen, halogen, hydroxyl, a substituted or unsubstituted lower alkyl group, a substituted or unsubstituted lower alkoxy group, a substituted or unsubstituted amino group, etc.; R ⁴ is tetrazolyl, carboxyl group, amide or ester; R ⁵ is hydrogen, nitro, amino, hydroxyl, lower alkanoyl, lower alkyl, etc.; R ⁶ is selected from (a) a substituted or unsubstituted phenyl group, (b) a substituted or unsubstituted pyridyl group, (c) a substituted or unsubstituted thienyl group, (d) a substituted or unsubstituted benzofuranyl group, etc.; or a pharmaceutically acceptable salt thereof.		

 1 appl.ⁿ
 3 Invs.
 IPC: C07C 233/87
 IPER 18/8/99.