(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
31 August 2006 (31.08.2006)

PCT

(10) International Publication Number
WO 2006/091963 A1

(51) International Patent Classification:
C07D 231/56 (2006.01) *A61K 31/416* (2006.01)
C07D 209/14 (2006.01) *A61P 35/00* (2006.01)

(21) International Application Number:
PCT/US2006/006988

(22) International Filing Date:
27 February 2006 (27.02.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/656,230	25 February 2005 (25.02.2005)	US
60/705,715	4 August 2005 (04.08.2005)	US
60/727,965	18 October 2005 (18.10.2005)	US

(71) Applicant *(for all designated States except US)*: **SERENEX, INC.** [US/US]; 323 Foster Street, Durham, North Carolina 27701 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HUANG, Kenneth He** [CN/US]; 1121 Whitfield Road, Northbrook, Illinois 60062 (US). **EAVES, Jeron** [US/US]; 1100 Courtney Creek Boulevard, Apt. 1236, Durham, North Carolina 27713 (US). **VEAL, James** [US/US]; 8916 Weaver Crossing Road, Apex, North Carolina 27502 (US). **BARTA, Thomas** [US/US]; 1532 Pathway Drive, Carrboro, North Carolina 27510 (US). **GENG, Lifeng** [US/US]; 201 Tellico Place, Cary, North Carolina 27519 (US). **HINKLEY, Lindsay** [US/US]; 206 Gettysburg Drive, Cary, North Carolina 27513 (US). **HANSON, Gunnar** [US/US]; 5720 Forest Park Road, Apt. #5412, Dallas, Texas 75235 (US).

(74) Agent: **SARUSSI, Steven**; MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP, 300 South Wacker Drive, Suite 3200, Chicago, Illinois 60606 (US).

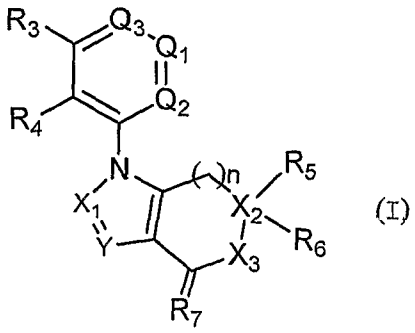
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, 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 receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TETRAHYDROINDOLONE AND TETRAHYDROINDAZOLONE DERIVATIVES



(I)

(57) Abstract: Disclosed are compounds and pharmaceutically acceptable salts of Formula (I): wherein R_1, R_2, R_3, R_4, R_5, R_6, R_7, n, Q1, Q2, Q3, Y, and X_1-X_4 are as defined herein. Compounds of Formula (I) are useful in the treatment of diseases and/or conditions related to cell proliferation, such as cancer, inflammation, arthritis, angiogenesis, or the like. Also disclosed are pharmaceutical compositions comprising compounds of the invention and methods of treating the aforementioned conditions using such compounds .

WO 2006/091963 A1