

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 January 2007 (25.01.2007)

PCT

(10) International Publication Number
WO 2007/011962 A2

(51) International Patent Classification:
A61K 31/165 (2006.01)

(74) Agents: HALLUIN, Albert, P. et al.; WILSON SONSINI
GOODRICH & ROSATI, 650 Page Mill Road, Palo Alto,
CA 94304-1050 (US).

(21) International Application Number:
PCT/US2006/027907

(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, HN, HR, HU, ID, IL, IN, IS, JP,
KE, KG, KM, KN, KP, KR, KZ, LA, 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, RS, RU, SC,
SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(22) International Filing Date: 18 July 2006 (18.07.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/700,446 18 July 2005 (18.07.2005) US

(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).

(71) Applicant (for all designated States except US): BIPAR
SCIENCES, INC. [US/US]; 1000 Marina Boulevard,
Suite 550, Brisbane, CA 94005 (US).

Published:

— without international search report and to be republished
upon receipt of that report

(72) Inventors; and

(75) Inventors/Applicants (for US only): KUN, Ernest, Kun
[US/US]; 8 Helens Drive, Mill Valley, CA 94941 (US).
MENDELEYEV, Jerome [US/US]; 1292 Stanyan Street,
San Francisco, CA 94117 (US). BASBAUM, Carol
[US/US]; 82 Fernwood Drive, San Francisco, CA 94127
(US). LEMJABBAR-ALAOUL, Hassan [US/US]; 2201
Bridgepointe Parkway #324, Foster City, CA 94404 (US).
OSSOVSKAYA, Valeria [US/US]; 96 Toledo Way, San
Francisco, CA 94123 (US).

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

(54) Title: TREATMENT OF CANCER

(57) Abstract: The present invention provides compositions of matter, kits and methods for their use in the treatment of cancer. In particular, the invention provides compositions and methods for treating cancer in a subject by inhibiting a poly-ADP-ribose polymerase, as well as providing formulations and modes of administering such compositions.

WO 2007/011962 A2