

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
17 July 2008 (17.07.2008)

PCT

(10) International Publication Number
WO 2008/085191 A1

(51) International Patent Classification:

A61K 38/10 (2006.01) C07K 7/08 (2006.01)
A61K 38/08 (2006.01) C07K 2/00 (2006.01)
A61K 38/00 (2006.01) C07H 21/04 (2006.01)
A61K 38/02 (2006.01) C12N 5/10 (2006.01)
C07K 7/04 (2006.01)

8845 North Country Road 925 East, Brownsburg, IN
46112 (US).

(74) Agent: **RESTAINO, Leslie, Gladstone**; Sills Cummis
Epstein & Gross P.C., One Riverfront Plaza, Newark, NJ
07102 (US).

(21) International Application Number:

PCT/US2007/016246

(22) International Filing Date: 16 July 2007 (16.07.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/880,137 10 January 2007 (10.01.2007) US

(71) Applicant (for all designated States except US): **PURDUE
RESEARCH FUNDATION** [US/US]; 3000 Kent Avenue,
West Lafayette, IN 47906 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PANITCH, Alyssa**
[US/US]; 607 Hillcrest Road, W. Lafayette, IN 47906
(US). **SEAL, Brandon** [US/US]; 3722 Litchfield Place,
West Lafayette, IN 47907 (US). **WARD, Brian** [US/US];

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

(54) Title: POLYPEPTIDE INHIBITORS OF HSP27 KINASE AND USES THEREFOR

(57) Abstract: The present invention provides polypeptide inhibitors of HSP27 kinase, compositions thereof, and methods for using such polypeptides and compositions for various therapeutic uses.

WO 2008/085191 A1