



(51) International Patent Classification:

C07D 471/04 (2006.01) A61P 37/08 (2006.01)
A61K 31/4985 (2006.01) A61P 37/00 (2006.01)
A61K 31/5375 (2006.01) A61P 35/00 (2006.01)
A61K 31/553 (2006.01) A61P 35/02 (2006.01)
A61P 43/00 (2006.01) A61P 7/00 (2006.01)
A61P 29/00 (2006.01)

(21) International Application Number:

PCT/CN2012/076576

(22) International Filing Date:

7 June 2012 (07.06.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PCT/CN2011/075431 8 June 2011 (08.06.2011) CN

(71) Applicant (for all designated States except US):
HUTCHISON MEDIPHARMA LIMITED [CN/CN];
Building 4, 720 Cailun Road, ZJ. Hi-Tech Park, Shanghai
201203 (CN).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SU, Wei-Guo**
[US/CN]; Building 4, 720 Cailun Road, ZJ. Hi-Tech Park,
Shanghai 201203 (CN). **DENG, Wei** [CN/CN]; Building
4, 720 Cailun Road, ZJ. Hi-Tech Park, Shanghai 201203
(CN). **Ji, Jianguo** [US/CN]; Building 4, 720 Cailun Road,
ZJ. Hi-Tech Park, Shanghai 201203 (CN).

(74) Agent: **ZHONGZI LAW OFFICE**; 7F, New Era Build-
ing, 26 Pinganli Xidajie, Xicheng District, Beijing 100034
(CN).

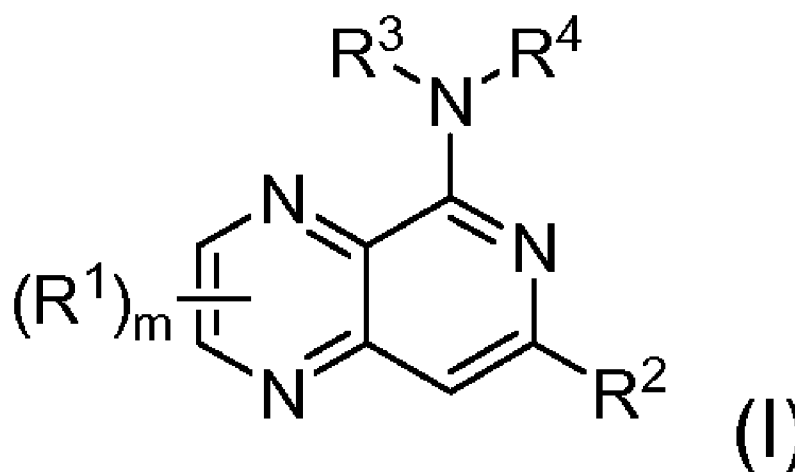
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IS, JP, KE, KG, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- with amended claims and statement (Art. 19(1))

(54) Title: SUBSTITUTED PYRIDOPYRAZINES AS NOVEL SYK INHIBITORS



(57) Abstract: Provided are pyridopyrazine compounds of formula (I), pharmaceutical compositions thereof and methods of use therefore, wherein R¹, R², R³, R⁴ and m are as defined in the specification.