

Title (en)
EFFICIENT INHIBITION OF HSP27

Title (de)
EFFIZIENTE HEMMUNG VON HSP27

Title (fr)
INHIBITION EFFICACE DE HSP27

Publication
EP 3174545 A1 20170607 (DE)

Application
EP 15744196 A 20150728

Priority

- DE 102014214799 A 20140728
- DE 102014214798 A 20140728
- EP 2015067311 W 20150728

Abstract (en)
[origin: WO2016016267A1] The present invention relates to novel HSP27 inhibitors, in particular purine derivatives according to general formula (I) or (II) and phenothiazine derivatives according to formula (V), and to their use as drugs for the selective inhibition of the heat shock protein HSP27 (HSPB1), in particular for use in the treatment of carcinomas or cystic fibrosis, said inhibitors having a particularly advantageous activity in the lower micromolar or sub-micromolar active ingredient concentration range with respect to HSP27.

IPC 8 full level
A61K 31/708 (2006.01); **A61K 31/5415** (2006.01)

CPC (source: CN EP US)
A61K 31/513 (2013.01 - EP US); **A61K 31/522** (2013.01 - CN EP US); **A61K 31/5415** (2013.01 - CN EP US); **A61K 31/708** (2013.01 - CN EP US);
A61K 45/06 (2013.01 - EP US); **A61P 35/00** (2017.12 - EP US); **C07D 239/553** (2013.01 - CN); **C07D 239/96** (2013.01 - CN);
C07D 279/22 (2013.01 - CN); **C07D 279/26** (2013.01 - CN); **C07D 403/12** (2013.01 - CN); **C07D 473/30** (2013.01 - CN);
C07D 519/00 (2013.01 - CN); **C07F 9/65616** (2013.01 - CN); **C07H 19/073** (2013.01 - CN)

Citation (search report)
See references of WO 2016016267A1

Citation (examination)

- US 2012195911 A1 20120802 - MARTYNOV ARTUR [UA], et al
- WO 2008146008 A1 20081204 - UNIV BIRMINGHAM [GB], et al
- US 2013150429 A1 20130613 - GLEAVE MARTIN E [CA], et al
- US 2012294846 A1 20121122 - BONNIAUD PHILIPPE [FR], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016016267 A1 20160204; CN 107073003 A 20170818; CN 107074791 A 20170818; EP 3174541 A1 20170607; EP 3174545 A1 20170607;
US 10940150 B2 20210309; US 2017216297 A1 20170803; US 2018207160 A1 20180726; WO 2016016268 A1 20160204

DOCDB simple family (application)
EP 2015067311 W 20150728; CN 201580040458 A 20150728; CN 201580040473 A 20150728; EP 15744196 A 20150728;
EP 15744197 A 20150728; EP 2015067312 W 20150728; US 201515329693 A 20150728; US 201515329722 A 20150728