

Title (en)
PYRIMIDO (4,5-B) INDOLE DERIVATIVES

Title (de)
PYRIMIDO(4,5-B)INDOLDERIVATE

Title (fr)
DERIVES DE PYRIMIDO (4,5-B) INDOLE

Publication
EP 1442039 A1 20040804 (EN)

Application
EP 02777332 A 20021029

Priority
• EP 0212057 W 20021029
• GB 0214544 A 20020624
• JP 2001334662 A 20011031

Abstract (en)
[origin: WO03037898A1] The present invention relates to pyrimido[4,5-b]indoles which are useful as an active ingredient of pharmaceutical preparations. The pyrimido[4,5-b]indoles of the present invention have MKK7 and MKK4 inhibitory activity, and can be used for the prophylaxis and treatment of diseases associated with MKK7 and MKK4 activity. Such diseases include, inflammatory and immunoregulatory disorders and diseases such as asthma, atopic dermatitis, rhinitis, allergic rhinitis, allergic diseases, COPD, septic shock, arthritis, joint diseases and myocardial injuries, as well as autoimmune pathologies such as rheumatoid arthritis, Grave's disease, and atherosclerosis. The compounds of the present invention are also useful for treatment of ischemia, myocardial injury, pulmonary hypertension, renal failure, Huntington's chorea and cardiac hypertrophy, as well as neurodegenerative disorders such as Parkinson's disease, Alzheimer's disease and focal ischemia.

IPC 1-7
C07D 487/04; **A61K 31/519**; **A61P 37/00**; **A61P 29/00**

IPC 8 full level
A61K 31/519 (2006.01); **A61K 31/5377** (2006.01); **A61K 31/551** (2006.01); **A61P 9/00** (2006.01); **A61P 9/10** (2006.01); **A61P 11/06** (2006.01); **A61P 13/12** (2006.01); **A61P 25/14** (2006.01); **A61P 25/28** (2006.01); **A61P 29/00** (2006.01); **A61P 37/00** (2006.01); **A61P 37/08** (2006.01); **A61P 43/00** (2006.01); **C07D 487/04** (2006.01); **C07D 519/00** (2006.01)

CPC (source: EP)
A61P 9/00 (2017.12); **A61P 9/10** (2017.12); **A61P 11/06** (2017.12); **A61P 13/12** (2017.12); **A61P 25/14** (2017.12); **A61P 25/28** (2017.12); **A61P 29/00** (2017.12); **A61P 37/00** (2017.12); **A61P 37/08** (2017.12); **A61P 43/00** (2017.12); **C07D 487/04** (2013.01)

Citation (search report)
See references of WO 03037898A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03037898 A1 20030508; CA 2464934 A1 20030508; EP 1442039 A1 20040804; JP 2005515173 A 20050526; MX PA04004019 A 20040708

DOCDB simple family (application)
EP 0212057 W 20021029; CA 2464934 A 20021029; EP 02777332 A 20021029; JP 2003540179 A 20021029; MX PA04004019 A 20021029