

Title (en)

PHARMACEUTICAL COMPOSITION FOR SUPPRESSING TYPE 2 HELPER T CELL IMMUNE RESPONSE

Title (de)

PHARMAZEUTISCHE ZUSAMMENSETZUNG ZUR UNTERDRÜCKUNG DER TYP-2-HELPER-T-ZELLIMMUN-REAKTION

Title (fr)

COMPOSITION PHARMACEUTIQUE PERMETTANT DE SUPPRIMER LA REACTION IMMUNITAIRE DES LYMPHOCYTES T AUXILIAIRES DE TYPE 2

Publication

**EP 0977569 A1 20000209 (EN)**

Application

**EP 98917620 A 19980422**

Priority

- JP 9801841 W 19980422
- JP 12314697 A 19970425

Abstract (en)

[origin: WO9848805A1] A pharmaceutical composition for suppressing Th2 type immune response comprising as active ingredient a compound represented by formula (1), wherein R<1> is alkyl, cycloalkyl, hydroxyalkyl, acyloxyalkyl, aralkyl, substituted aralkyl, phenyl, or substituted phenyl; R<2> is H or alkyl; R<3> is alkoxy, halogen or alkyl; n is 0 to 2; specifically 1-(2-methylpropyl)-1H-imidazo[4,5-c]quinolin-4-amine, or a pharmaceutically acceptable acid salt thereof, and a method for treating or preventing a disease caused by abnormal activation of Th2 type immune response, such as asthma, allergic dermatitis, allergic rhinitis or systemic lupus erythematosus, which comprises administering a therapeutically effective amount of the compound (1) to a patient in need thereof.

IPC 1-7

**A61K 31/47**

IPC 8 full level

**C07D 471/04** (2006.01); **A61K 31/47** (2006.01); **A61K 31/4745** (2006.01); **A61P 11/00** (2006.01); **A61P 17/00** (2006.01); **A61P 27/16** (2006.01); **A61P 37/00** (2006.01); **A61P 37/08** (2006.01)

CPC (source: EP)

**A61K 31/4745** (2013.01); **A61P 11/00** (2017.12); **A61P 17/00** (2017.12); **A61P 27/16** (2017.12); **A61P 37/00** (2017.12); **A61P 37/08** (2017.12)

Citation (search report)

See references of WO 9848805A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9848805 A1 19981105**; AU 7079098 A 19981124; EP 0977569 A1 20000209; JP H10298181 A 19981110

DOCDB simple family (application)

**JP 9801841 W 19980422**; AU 7079098 A 19980422; EP 98917620 A 19980422; JP 12314697 A 19970425