

Title (en)
HETEROAROMATIC COMPOUNDS HAVING SPHINGOSINE-1-PHOSPHATE (S1P) RECEPTOR AGONIST AND/OR ANTAGONIST BIOLOGICAL ACTIVITY

Title (de)
HETEROAROMATISCHE VERBINDUNGEN MIT BIOLOGISCHER SPHINGOSIN-1-PHOSPHAT-REZEPTORAGONISTEN- UND/ODER - ANTAGONISTEN-AKTIVITÄT

Title (fr)
COMPOSÉS HÉTÉROAROMATIQUES PRÉSENTANT UNE ACTIVITÉ BIOLOGIQUE AGONISTE ET/OU ANTAGONISTE SUR LE RÉCEPTEUR SPHINGOSINE-1-PHOSPHATE (S1P)

Publication
EP 2066633 A1 20090610 (EN)

Application
EP 07841853 A 20070905

Priority
• US 2007077588 W 20070905
• US 82480706 P 20060907

Abstract (en)
[origin: WO2008030843A1] A novel compound having antagonist activity at the S1P3 receptor represented by the formula (I); [C(R³)₂]_a(W)_b[C(R³)₂]_c[P(O)(OR³)₂]_d[C(V)_x(OR4)y(R⁴)_z]_e wherein X is selected from the group consisting of CR³ and N; Y is selected from the group consisting of CR³ and N; Z is selected from the group consisting of CR³ and N; and at least one of X, Y and Z is N; W is NR³ or O; V is oxo or represents two H atoms; provided that when V is two H atoms, z is 0; R¹ is an aryl group; R² is an aryl group; R³ is selected from the group consisting of H and alkyl and lower alkyl; R⁴ is selected from the group consisting of H and alkyl; and 2 of said R³ or R⁴ may together form a cyclic alkyl ring having from 3 to 6 carbon atoms; a is 0 or an integer of from 1 to 6; b is 0 or 1; c is O or an integer of from 1 to 6; d is 0 or 1; e is 0 or 1; x is 1; y is 0 or an integer of from 1 to 3; z is 0 or an integer of from 1 to 3; provided however that when d is 0, e is 1, and when e is 0, d is 1, and when y is 0, z is 1 and when z is 0, y is 1.

IPC 8 full level
A61K 31/4418 (2006.01); **A61P 37/00** (2006.01); **C07D 213/79** (2006.01); **C07D 241/24** (2006.01); **C07D 253/07** (2006.01); **C07F 9/40** (2006.01)

CPC (source: EP)
A61P 31/10 (2017.12); **A61P 37/00** (2017.12); **A61P 37/06** (2017.12); **A61P 43/00** (2017.12); **C07D 213/79** (2013.01); **C07D 241/24** (2013.01); **C07D 253/07** (2013.01)

Citation (search report)
See references of WO 2008030843A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008030843 A1 20080313; AU 2007292347 A1 20080313; BR PI0716815 A2 20131105; CA 2662852 A1 20080313; EP 2066633 A1 20090610; JP 2010504286 A 20100212

DOCDB simple family (application)
US 2007077588 W 20070905; AU 2007292347 A 20070905; BR PI0716815 A 20070905; CA 2662852 A 20070905; EP 07841853 A 20070905; JP 2009527532 A 20070905