

Title (en)
BENZIMIDAZOLE ACETONITRILES

Title (de)
BENZIMIDAZOLACETONITRILE

Title (fr)
DERIVES DE BENZIMIDAZOLE-ACETONITRILE

Publication
EP 1667995 A1 20060614 (EN)

Application
EP 04766767 A 20040910

Priority

- EP 2004052137 W 20040910
- EP 03102741 A 20030912
- EP 04766767 A 20040910

Abstract (en)
[origin: WO2005026155A1] The present invention is related to benzimidazole acetonitriles as well as to pharmaceutical formulations containing such benzimidazole acetonitriles of formula (I). Said benzimidazole acetonitriles are useful in the treatment of metabolic disorders mediated by insulin resistance or hyperglycemia, comprising diabetes type II, inadequate glucosetolerance, insulin resistance, obesity, polycystic ovary syndrome (PCOS) (I). The present invention is furthermore related to methods of preparing benzimidazole acetonitriles. G is pyrimidinyl; L is an amino group, or a 3-8 membered heterocycloalkyl, containing at least one heteroatom selected from N, O, S or L is an acylamino moiety; R<1> is selected from the group comprising or consisting of hydrogen, sulfonyl, amino, carboxy, aminocarbonyl, C1-C6-alkyl, C2-C6-alkenyl, C2-C6-alkynyl or C1-C6-alkoxy, aryl, halogen, cyano or hydroxy; R<2> is selected from the group comprising or consisting of hydrogen, C1-C6-alkyl, C2-C6-alkenyl, C2-C6-alkynyl, or C1-C6-alkoxy.

IPC 1-7
C07D 403/06; **C07D 403/14**; **C07D 401/14**

IPC 8 full level
C07D 401/14 (2006.01); **C07D 403/06** (2006.01); **C07D 403/14** (2006.01); **C07D 413/14** (2006.01); **C07D 417/14** (2006.01); **C07D 498/08** (2006.01)

CPC (source: EP)
A61P 3/00 (2017.12); **A61P 3/04** (2017.12); **A61P 3/10** (2017.12); **A61P 15/00** (2017.12); **A61P 43/00** (2017.12); **C07D 401/14** (2013.01); **C07D 403/06** (2013.01); **C07D 403/14** (2013.01); **C07D 413/14** (2013.01); **C07D 417/14** (2013.01)

Citation (search report)
See references of WO 2005026155A1

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

DOCDB simple family (publication)
WO 2005026155 A1 20050324; AU 2004272306 A1 20050324; CA 2534317 A1 20050324; EP 1667995 A1 20060614; IL 174135 A0 20060801; JP 2007505085 A 20070308; NO 20061614 L 20060410

DOCDB simple family (application)
EP 2004052137 W 20040910; AU 2004272306 A 20040910; CA 2534317 A 20040910; EP 04766767 A 20040910; IL 17413506 A 20060306; JP 2006525833 A 20040910; NO 20061614 A 20060410