

Title (en)

G PROTEIN COUPLED RECEPTOR 39 (GPR39)

Title (de)

G-PROTEIN-GEKOPPELTER REZEPTOR 39 (GPR39)

Title (fr)

RÉCEPTEUR COUPLÉ À LA PROTÉINE G 39 (GPR39)

Publication

EP 2030024 A1 20090304 (EN)

Application

EP 07729995 A 20070608

Priority

- EP 2007055636 W 20070608
- EP 06115158 A 20060608
- EP 07729995 A 20070608

Abstract (en)

[origin: WO2007141322A1] The present invention relates to the functional characterization of the G protein coupled receptor GPR39 and to compounds, which modify or regulate GPR39 protein activity. In particular the present invention relates to methods of screening for agonists or antagonists of GPR39 in order to identify compounds capable of modulating carbohydrate metabolism and to the therapeutic uses of these compounds. In particular to the use of GPR39 in methods to identify compounds that are capable to enhance glucose control in a subject and which are effective for preventing and/or treating pathologies related with an impaired carbohydrate metabolism, in particular in the prevention and/or treatment of diabetes including associated complications thereof, or of the metabolic syndrome including associated complications thereof. Including Type 1 (insulin-dependent or IDDM), Type 2 (non- insulin- dependent diabetes mellitus), maturity-onset diabetes of the young (MODY) and gestational diabetes.

IPC 8 full level

G01N 33/74 (2006.01); **G01N 33/564** (2006.01)

CPC (source: EP)

A61P 3/04 (2017.12); **A61P 3/06** (2017.12); **A61P 3/10** (2017.12); **A61P 9/10** (2017.12); **A61P 9/12** (2017.12); **G01N 33/564** (2013.01); **G01N 33/74** (2013.01); **G01N 2333/726** (2013.01); **G01N 2500/04** (2013.01); **G01N 2800/042** (2013.01); **G01N 2800/044** (2013.01)

Citation (search report)

See references of WO 2007141322A1

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 2007141322 A1 20071213; CA 2652398 A1 20071213; CN 101467047 A 20090624; EP 2030024 A1 20090304; JP 2009539362 A 20091119; MX 2008015670 A 20090112

DOCDB simple family (application)

EP 2007055636 W 20070608; CA 2652398 A 20070608; CN 200780021207 A 20070608; EP 07729995 A 20070608; JP 2009513702 A 20070608; MX 2008015670 A 20070608