

Title (en)

METHOD AND DEVICE FOR IDENTIFYING SUBSTANCES CAPABLE OF MODULATING ADIPOCYTE DIFFERENTIATION

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG VON SUBSTANZEN DIE DIE ADIPOZYTEN-DIFFERENZIERUNG MODULIEREN

Title (fr)

METHODE D'IDENTIFICATION DE SUBSTANCES CAPABLES DE MODULER LA DIFFERENCIATION ADIPOCYTAIRE

Publication

EP 1468078 A1 20041020 (FR)

Application

EP 03712261 A 20030117

Priority

- FR 0300157 W 20030117
- FR 0200582 A 20020118

Abstract (en)

[origin: WO03060106A1] The invention concerns a method for identifying compounds capable of modulating adipocyte differentiation, which consists in contacting the compound to be tested with genetically modified pre-adipocyte cells overexpressing the REV-ERB-ALPHA receptor and measuring the adipocyte differentiation of said genetically modified cells with the adipocyte differentiation of same said genetically modified pre-adipocyte cells in the absence of said compound to be tested. The invention also concerns genetically modified pre-adipocyte cells overexpressing the REV-ERB-ALPHA receptor as well as the method for preparing said cells.

IPC 1-7

C12N 5/06; **C12N 5/10**; **C12N 15/86**; **C12Q 1/02**; **C12Q 1/68**

IPC 8 full level

A61K 45/00 (2006.01); **A61P 3/04** (2006.01); **A61P 3/10** (2006.01); **C12N 5/06** (2006.01); **C12N 5/077** (2010.01); **C12N 5/10** (2006.01); **C12N 7/00** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/02** (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/6881** (2018.01)

CPC (source: EP US)

A61P 3/04 (2017.12 - EP); **A61P 3/10** (2017.12 - EP); **C12N 5/0653** (2013.01 - EP US); **C12Q 1/6881** (2013.01 - EP US); **C12N 2510/00** (2013.01 - EP US); **C12N 2830/00** (2013.01 - EP US); **C12Q 2600/158** (2013.01 - EP US)

Citation (search report)

See references of WO 03060106A1

Citation (examination)

BRUN R.P. ET AL: "Differential activation of adipogenesis by multiple PPAR isoforms", GENES AND DEVELOPMENT, vol. 10, no. 8, 15 April 1996 (1996-04-15), COLD SPRING HARBOR, NY, US, pages 974 - 984, XP000577792

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 PT SE SI SK TR

DOCDB simple family (publication)

WO 03060106 A1 20030724; AU 2003216739 A1 20030730; CA 2472016 A1 20030724; EP 1468078 A1 20041020; FR 2834996 A1 20030725; FR 2834996 B1 20041203; JP 2005525099 A 20050825; US 2005032064 A1 20050210; US 7368286 B2 20080506

DOCDB simple family (application)

FR 0300157 W 20030117; AU 2003216739 A 20030117; CA 2472016 A 20030117; EP 03712261 A 20030117; FR 0200582 A 20020118; JP 2003560193 A 20030117; US 50152504 A 20040716