

Title (en)

ASSAYS FOR AGENTS WITH SELECTIVE CYTOTOXICITY TO HDAC RESISTANT CELL LINES

Title (de)

TESTS FÜR AGENTEN MIT SELEKTIVER ZYTOTOXIZITÄT GEGENÜBER HDAC-RESISTENTEN ZELLINIEN

Title (fr)

DOSAGES D'AGENTS AYANT UNE CYTOTOXICITE SELECTIVE ENVERS LES LIGNEES CELLULAIRES HDAC-RESISTANTES

Publication

EP 1856522 A1 20071121 (EN)

Application

EP 06709669 A 20060206

Priority

- GB 2006000425 W 20060206
- US 65014105 P 20050207

Abstract (en)

[origin: WO2006082448A1] This invention relates to a method of identifying and/or obtaining an agent which is selectively cytotoxic to histone deacetylase inhibitor (HDACi) resistant cells, said method comprising the steps of: a) incubating HDACi resistant cells and HDACi sensitive cells with a test agent, b) determining the cytotoxicity of the test agent for said HDACi resistant cells and the cytotoxicity of the test agent for said HDACi sensitive cells, wherein an increase in cytotoxicity of the test agent for said HDACi resistant cells relative to said HDACi sensitive cells is indicative that the test agent is an agent which is selectively cytotoxic to HDACi resistant cells. The invention is based on the recognition that cells which are resistant to inhibitors of histone deacetylases (HDACis) such as PXD101 are hypersensitized to certain anti-cancer agents.

IPC 8 full level

G01N 33/50 (2006.01)

CPC (source: EP)

A61P 35/00 (2017.12); **A61P 43/00** (2017.12); **G01N 33/5011** (2013.01)

Citation (search report)

See references of WO 2006082448A1

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006082448 A1 20060810; AU 2006210994 A1 20060810; CA 2596405 A1 20060810; EP 1856522 A1 20071121; JP 2008529487 A 20080807

DOCDB simple family (application)

GB 2006000425 W 20060206; AU 2006210994 A 20060206; CA 2596405 A 20060206; EP 06709669 A 20060206; JP 2007553709 A 20060206