

## Title (en)

TYPE 1, 4-NAPHTOQUINONE COMPOUNDS, COMPOSITIONS COMPRISING THEM AND USE OF THESE COMPOUNDS AS ANTI-CANCER AGENTS

## Title (de)

VERBINDUNGEN VOM 1, 4-NAPHTHOCHINONTYP, ZUSAMMENSETZUNGEN, DIE DIESE ENTHALTEN UND DIE VERWENDUNG DIESER VERBINDUNGEN ALS ANTIKREBSMITTEL

## Title (fr)

COMPOSES DE TYPE 1, 4-NAPHTOQUINONES, COMPOSITIONS LES COMPRENANT ET UTILISATION DE CES COMPOSES EN TANT QU'AGENTS ANTI -CANCEREUX

## Publication

**EP 2010481 A1 20090107 (FR)**

## Application

**EP 07731362 A 20070425**

## Priority

- FR 2007000703 W 20070425
- FR 0651461 A 20060425

## Abstract (en)

[origin: FR2900150A1] 1,4-Naphthoquinone compounds (I) and their salts are new. 1,4-Naphthoquinone compounds of formula (I) and their salts are new. R 1-R 51-18C alkyl, 2-18C alkenyl, 2-18C alkynyl, aryl, arylalkyl or alkylaryl (all optionally substituted by at least 1 amino, acid, acid derivative, alkoxy, aryl or OH), H, halo, OH (optionally substituted) or nitro, or R 2 + R 3, R 3 + R 4, R 5 + R 5heterocyclyl (optionally substituted); X : a divalent group such as linear, branched or cyclic alkyl, alkenyl or alkynyl (all optionally interrupted by a heteroatom and all optionally substituted); Y 1H or a protecting group; and Z : natural or synthetic D- or L-amino acid residue. [Image] ACTIVITY : Cytostatic. MECHANISM OF ACTION : None given.

## IPC 8 full level

**C07C 271/22** (2006.01)

## CPC (source: EP US)

**A61P 35/00** (2017.12 - EP); **A61P 35/02** (2017.12 - EP); **A61P 35/04** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07C 229/14** (2013.01 - EP US); **C07C 233/31** (2013.01 - EP US); **C07C 235/78** (2013.01 - EP US); **C07C 237/06** (2013.01 - EP US); **C07C 237/08** (2013.01 - EP US); **C07C 271/18** (2013.01 - EP US); **C07C 271/20** (2013.01 - EP US); **C07C 271/22** (2013.01 - EP US); **C07C 311/02** (2013.01 - EP US); **C07C 327/22** (2013.01 - EP US); **C07C 327/40** (2013.01 - EP US); **C07D 209/16** (2013.01 - EP US); **C07C 2602/10** (2017.04 - EP US); **Y02P 20/55** (2015.11 - EP US)

## Citation (search report)

See references of WO 2007125196A1

## 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)

**FR 2900150 A1 20071026; FR 2900150 B1 20120706;** AU 2007245621 A1 20071108; CA 2650480 A1 20071108; EP 2010481 A1 20090107; JP 2009534449 A 20090924; US 2009247472 A1 20091001; WO 2007125196 A1 20071108

## DOCDB simple family (application)

**FR 0651461 A 20060425;** AU 2007245621 A 20070425; CA 2650480 A 20070425; EP 07731362 A 20070425; FR 2007000703 W 20070425; JP 2009507113 A 20070425; US 29830707 A 20070425