

Title (en)

COMBRETASTATIN DERIVATIVE PREPARATION METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG VON COMBRETASTATINDERIVATEN

Title (fr)

PROCEDE DE PREPARATION D'UN DERIVE DE COMBRETASTATINE

Publication

EP 2507218 A1 20121010 (FR)

Application

EP 10801618 A 20101202

Priority

- FR 0905837 A 20091203
- FR 2010052592 W 20101202

Abstract (en)

[origin: WO2011067538A1] The invention relates to a method for preparing a combretastatin derivative (I) or (II), said method including the following steps: triaryl(3,4,5-trimethoxybenzyl)phosphonium halide P3 (III), wherein Ar denotes an aryl group selected from among phenyl or thienyl, is reacted with P2 having formula (IV) or P'2 having formula (V) so as to respectively obtain the compound P4 or P'4, which have formulas (VI) and (VII), respectively; then, during a step for deprotection in the presence of an acid and/or a base, the compound having P4 or P'4 leads, after an optional purification step, to the compound having formula (I) or (II).

IPC 8 full level

C07C 237/04 (2006.01); **C07D 263/06** (2006.01)

CPC (source: EP KR US)

A61P 35/00 (2017.12 - EP); **C07C 231/12** (2013.01 - EP US); **C07C 231/22** (2013.01 - KR); **C07C 233/07** (2013.01 - KR);
C07C 237/04 (2013.01 - KR); **C07D 263/06** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2011067538A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2011067538 A1 20110609; AR 079300 A1 20120118; AU 2010326423 A1 20120621; BR 112012012908 A2 20150908;
CA 2782701 A1 20110609; CN 102906076 A 20130130; EP 2507218 A1 20121010; FR 2953518 A1 20110610; FR 2953518 B1 20120120;
IL 220059 A0 20120924; JP 2013512883 A 20130418; KR 20120104988 A 20120924; MX 2012006388 A 20120619;
RU 2012127575 A 20140110; SG 181467 A1 20120730; TW 201127790 A 20110816; US 2012302759 A1 20121129; UY 33080 A 20110601

DOCDB simple family (application)

FR 2010052592 W 20101202; AR P100104450 A 20101202; AU 2010326423 A 20101202; BR 112012012908 A 20101202;
CA 2782701 A 20101202; CN 201080054540 A 20101202; EP 10801618 A 20101202; FR 0905837 A 20091203; IL 22005912 A 20120530;
JP 2012541565 A 20101202; KR 20127014273 A 20101202; MX 2012006388 A 20101202; RU 2012127575 A 20101202;
SG 2012040374 A 20101202; TW 99141920 A 20101202; US 201213487606 A 20120604; UY 33080 A 20101203