

Title (en)

MACROCYCLIC LACTONE COMPOUNDS AND METHODS FOR THEIR USE

Title (de)

MAKROZYKLISCHE LACTONVERBINDUNGEN UND VERFAHREN FÜR IHRE VERWENDUNG

Title (fr)

COMPOSÉS DE LACTONE MACROCYCLIQUES ET LEURS PROCÉDÉS D UTILISATION

Publication

EP 2254412 A1 20101201 (EN)

Application

EP 08731883 A 20080311

Priority

US 2008056501 W 20080311

Abstract (en)

[origin: WO2009114010A1] The present invention provides a pharmaceutical composition comprising a pharmaceutically acceptable excipient and a compound of the formula (I) wherein R₁, R₂, R₃, R₅, R₆, R₈, M₁, M₂, M₃, M₄, M₅, M₆ and M₇ are each independently a member selected from the group consisting of H, C₁-6 alkyl, OH and C₁-6 hydroxyalkyl; R₄, R₇ and R₉ are each independently selected from the group consisting of C₁-6 alkoxy and OH; R₁₀ is a member selected from the group consisting of H, -OH, -OP(O)Me₂, (II), (III), -O-(CH₂)_n-OH and -O-(CH₂)_m-O-(CH₂)_o-CH₃, wherein subscripts n and m are each independently from 2 to 8 and subscript o is from 1 to 6; each of L₁ and L₄ are independently selected from the group consisting of (IV) and (V) wherein each M₈ is independently a member selected from the group consisting Of C₁-6 alkyl, OH and C₁-6 hydroxyalkyl; each of L₂ and L₃ are independently selected from the group consisting of (VI), (VII) and (VIII); and salts, hydrates, isomers, metabolites, N-oxides and prodrugs thereof.

IPC 8 full level

A01N 43/04 (2006.01); **A61K 31/70** (2006.01); **A61P 27/02** (2006.01)

CPC (source: EP)

A61K 31/436 (2013.01); **A61K 31/70** (2013.01); **A61P 9/00** (2017.12); **A61P 27/02** (2017.12); **A61P 27/06** (2017.12); **A61P 27/10** (2017.12); **A61P 29/00** (2017.12); **A61P 35/00** (2017.12); **A61P 37/06** (2017.12)

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009114010 A1 20090917; BR PI0822405 A2 20180515; BR PI0822405 A8 20180605; CN 102215682 A 20111012; EP 2254412 A1 20101201; EP 2254412 A4 20120509; IL 208026 A0 20101230; JP 2011525890 A 20110929

DOCDB simple family (application)

US 2008056501 W 20080311; BR PI0822405 A 20080311; CN 200880128027 A 20080311; EP 08731883 A 20080311; IL 20802610 A 20100906; JP 2010550655 A 20080311