

Title (en)
PHARMACEUTICAL AQUEOUS COMPOSITIONS COMPRISING LIPOIC ACID AS AN ANTIOXIDANT

Title (de)
Wässrige pharmazeutische Zusammensetzungen mit Liponsäure als Antioxidationsmittel

Title (fr)
Compositions pharmaceutiques aqueuses comprenant de l'acide lipoïque en tant qu'antioxydant

Publication
EP 2571498 A1 20130327 (EN)

Application
EP 11720107 A 20110518

Priority
• EP 10163511 A 20100521
• EP 2011058029 W 20110518
• EP 11720107 A 20110518

Abstract (en)
[origin: EP2389931A1] The present invention is directed to a stable injectable pharmaceutical aqueous solution comprising a pharmaceutical compound and lipoic acid as an antioxidant. A non-limiting list of pharmaceutical compounds useful in the present invention are: paracetamol, fructose 1,6 diphosphate, promethazine, amikacin, dobutamine and diclofenac. The solutions according to the invention preferably comprise a non-ionic surfactant which helps solubilization of lipoic acids. A preferred non-ionic surfactant is glychocolic acid.

IPC 8 full level
A61K 31/167 (2006.01); **A61K 9/00** (2006.01); **A61K 31/385** (2006.01); **A61K 47/00** (2006.01); **A61K 47/26** (2006.01)

CPC (source: EP)
A61K 31/167 (2013.01); **A61K 31/385** (2013.01); **A61K 47/26** (2013.01); **A61K 47/28** (2013.01)

Citation (search report)
See references of WO 2011144650A1

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

DOCDB simple family (publication)
EP 2389931 A1 20111130; AU 2011254651 B2 20151126; EP 2571498 A1 20130327; NZ 603783 A 20150227; WO 2011144650 A1 20111124

DOCDB simple family (application)
EP 10163511 A 20100521; AU 2011254651 A 20110518; EP 11720107 A 20110518; EP 2011058029 W 20110518; NZ 60378311 A 20110518