

Title (en)
COMPOSITIONS AND METHODS FOR TREATMENT OF THE SIDE-EFFECTS ASSOCIATED WITH ADMINISTRATION OF CANCER
CHEMOTHERAPEUTIC AGENTS

Title (de)
ZUSAMMENSETZUNGEN UND VERFAHREN ZUR BEHANDLUNG VON NEBENWIRKUNGEN DER VERABREICHUNG VON
CHEMOTHERAPEUTISCHEN ANTIKREBSMITTELN

Title (fr)
COMPOSITIONS ET MÉTHODES DESTINÉES AU TRAITEMENT DES EFFETS SECONDAIRES ASSOCIÉS À L'ADMINISTRATION D'AGENTS
CHIMIOTHÉRAPEUTIQUES ANTICANCÉREUX

Publication
EP 2836217 A4 20151028 (EN)

Application
EP 13775759 A 20130412

Priority
• US 201213446328 A 20120413
• US 2013036326 W 20130412

Abstract (en)
[origin: WO2013155385A1] A composition and method for the treatment of the side-effects associated with the administration of cancer
chemotherapeutic agents involves the oral ingestion of a slow release capsule containing adenine and orotate. The administration of a protein
pump inhibitor decreases systemic absorption of orotate and the administration of allopurinol decreases the formation of 2,8-dihydroxy adenine from
adenine. In an alternative embodiment, cationic liposomes contain purine/pyrimidine precursors. The cationic liposomes bind to the cells lining the
mucosa of the intestinal tract and then the contents of the cationic liposome are then taken up in the interior of the cells to prevent the metabolism of
the cancer treatment drug 5-FU into a toxic species.

IPC 8 full level
A61K 31/70 (2006.01); **A61K 31/415** (2006.01); **A61K 31/4439** (2006.01); **A61K 31/513** (2006.01); **A61K 31/519** (2006.01);
A61K 31/52 (2006.01); **A61P 35/00** (2006.01)

CPC (source: CN EP)
A61K 31/4439 (2013.01 - CN EP); **A61K 31/513** (2013.01 - CN EP); **A61K 31/519** (2013.01 - CN EP); **A61K 31/52** (2013.01 - CN EP);
A61K 31/522 (2013.01 - EP); **A61P 1/00** (2017.12 - EP); **A61P 35/00** (2017.12 - EP)

C-Set (source: CN EP)
CN
1. **A61K 31/4439 + A61K 2300/00**
2. **A61K 31/513 + A61K 2300/00**
3. **A61K 31/519 + A61K 2300/00**
4. **A61K 31/52 + A61K 2300/00**
EP
1. **A61K 31/513 + A61K 2300/00**
2. **A61K 31/52 + A61K 2300/00**
3. **A61K 31/4439 + A61K 2300/00**
4. **A61K 31/522 + A61K 2300/00**
5. **A61K 31/519 + A61K 2300/00**

Citation (search report)
• [I] WO 2005077365 A2 20050825 - INST SUPERIORE DI SANITA [IT], et al
• See references of WO 2013155385A1

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)
WO 2013155385 A1 20131017; CN 104394872 A 20150304; EP 2836217 A1 20150218; EP 2836217 A4 20151028;
IN 9546DEN2014 A 20150717; JP 2015518000 A 20150625

DOCDB simple family (application)
US 2013036326 W 20130412; CN 201380031029 A 20130412; EP 13775759 A 20130412; IN 9546DEN2014 A 20141113;
JP 2015505934 A 20130412