

Title (en)
CYCLIC POLYAMINE COMPOUNDS FOR CANCER THERAPY

Title (de)
ZYKLISCHE POLYAMINVERBINDUNGEN ZUR KREBSTHERAPIE

Title (fr)
COMPOSES DE POLYAMINE CYCLIQUE POUR LA CANCEROTHERAPIE

Publication
EP 1305299 A1 20030502 (EN)

Application
EP 01956110 A 20010802

Priority

- US 0124282 W 20010802
- US 22252200 P 20000802

Abstract (en)
[origin: WO0210142A1] Novel cyclic polyamine compounds of the form (I) where A1, each A2 (if present), and A3 are independently selected from C1-C8 alkyl, where each Y is independently selected from H or C1-C4 alkyl, where M is selected from C1-C4 alkyl, where k is 0, 2, or 3, and where R is selected from C1-C32 alkyl, as well as all stereoisomers and salts thereof, are disclosed. Additional compounds where k is 1 and A2 is independently selected from C1-C3 alkyl or C5-C8 alkyl are also disclosed. Cyclic polyamines, where the amide group is reduced to a secondary amino group, and various derivatives of these compounds, are also described. Synthetic methods for the compounds are described. The compounds are useful for treating diseases caused by uncontrolled proliferation of cells, such as cancer, especially prostate cancer, and for inducing intracellular ATP hydrolysis for treatment of other disorders.

IPC 1-7
C07D 257/02; **C07D 255/02**; **A61K 31/395**; **A61P 35/00**

IPC 8 full level
A61K 31/395 (2006.01); **A61P 35/00** (2006.01); **A61P 43/00** (2006.01); **C07D 255/02** (2006.01); **C07D 257/02** (2006.01)

CPC (source: EP)
A61P 35/00 (2017.12); **A61P 43/00** (2017.12); **C07D 255/02** (2013.01); **C07D 257/02** (2013.01)

Citation (search report)
See references of WO 0210142A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0210142 A1 20020207; AU 2001278143 B2 20070809; AU 7814301 A 20020213; CA 2417064 A1 20020207; EP 1305299 A1 20030502; IL 153864 A0 20030731; JP 2004505112 A 20040219; MX PA03000905 A 20030624

DOCDB simple family (application)
US 0124282 W 20010802; AU 2001278143 A 20010802; AU 7814301 A 20010802; CA 2417064 A 20010802; EP 01956110 A 20010802; IL 15386401 A 20010802; JP 2002516274 A 20010802; MX PA03000905 A 20010802