

Title (en)
SYNTHETIC SPIROKETAL PYRANES AS POTENT ANTI-CANCER AGENTS

Title (de)
SYNTHETISCHE SPIROKETALPYRANE ALS WIRKUNGSVOLLE ANTIKREBSMITTEL

Title (fr)
PYRANNES SYNTHETIQUES DE TYPE SPIROCETAL TENANT LIEU D'ANTICANCEREUX PUISSANTS

Publication
EP 1091978 A2 20010418 (EN)

Application
EP 99932062 A 19990629

Priority
• US 9914747 W 19990629
• US 9100298 P 19980629
• US 9737998 P 19980821

Abstract (en)
[origin: WO0000514A2] Novel tubulin binding compounds (SPIKETs) having potent tubulin depolymerization activity and inhibitory activity against tubulin polymerization. The compounds are effective agents for inhibiting cellular proliferation, for example, in cancer cells. The compounds are adapted to interact favorably with a novel SP binding pocket on tubulin, which pocket is useful for screening of anti-tubulin, anti-proliferation, and anti-cancer drugs.

IPC 1-7
C07K 14/47; **C07D 493/10**; **A61K 31/35**

IPC 8 full level
A61K 31/35 (2006.01); **A61P 35/00** (2006.01); **C07D 493/10** (2006.01); **C07K 14/47** (2006.01)

CPC (source: EP)
A61P 35/00 (2017.12); **C07D 493/10** (2013.01); **C07K 14/47** (2013.01)

Citation (search report)
See references of WO 0000514A2

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

DOCDB simple family (publication)
WO 0000514 A2 20000106; **WO 0000514 A3 20000518**; **WO 0000514 A9 20000720**; AU 4845499 A 20000117; CA 2336294 A1 20000106; EP 1091978 A2 20010418; JP 2002520254 A 20020709

DOCDB simple family (application)
US 9914747 W 19990629; AU 4845499 A 19990629; CA 2336294 A 19990629; EP 99932062 A 19990629; JP 2000557274 A 19990629