

Title (en)
BENZOTHIAZOLE-4,7-DIONES AND BENZOXAZOLE-4,7-DIONES WITH SUBSTITUENTS IN POSITION 5 OR 6 AND METHOD FOR PRODUCTION THEREOF

Title (de)
5- ODER 6-SUBSTITUIERTE BENZOTHIAZOL-4,7-DION-DERIVATE UND BENZOXAZOL-4,7-DION-DERIVATE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
BENZOTHIAZOLE-4,7-DIONES ET BENZOXAZOLE-4,7-DIONES SUBSTITUEES EN POSITION 5 OU 6 ET LEURS PROCEDES DE PREPARATION

Publication
EP 1641789 A2 20060405 (FR)

Application
EP 04767434 A 20040624

Priority
• FR 2004001578 W 20040624
• FR 0307648 A 20030625

Abstract (en)
[origin: US2006135573A1] A subject of the invention is a selective process for the preparation of derivatives of benzothiazole-4,7-diones and benzoxazole-4,7-diones monosubstituted in position 5 or in position 6 by an amino group itself optionally substituted. Said derivatives are inhibitors of the Cdc25 phosphatases and can be used for preparing medicaments intended to treat cancer. The invention also offers synthesis intermediates which are useful in implementing the process of the invention. The invention also relates in particular to the following derivatives of benzothiazole-4,7-diones: 2-(2-chloro-6-fluorophenyl)-5-[[2-(dimethylamino)ethyl]amino]-1,3-benzothiazole-4,7-dione; 2-(2-chloro-6-fluorophenyl)-5-[(2-pyrrolidin-1-ylethyl)amino]-1,3-benzothiazole-4,7-dione.

IPC 1-7
C07D 417/14

IPC 8 full level
A61P 3/10 (2006.01); **A61P 17/14** (2006.01); **A61P 25/28** (2006.01); **A61P 31/00** (2006.01); **A61P 35/00** (2006.01); **A61P 37/00** (2006.01); **C07D 277/66** (2006.01); **C07D 417/04** (2006.01); **C07D 417/12** (2006.01); **C07D 417/14** (2006.01)

CPC (source: EP KR US)
A61P 1/04 (2017.12 - EP); **A61P 1/16** (2017.12 - EP); **A61P 3/02** (2017.12 - EP); **A61P 3/10** (2017.12 - EP); **A61P 9/14** (2017.12 - EP); **A61P 15/16** (2017.12 - EP); **A61P 15/18** (2017.12 - EP); **A61P 17/04** (2017.12 - EP); **A61P 17/06** (2017.12 - EP); **A61P 17/14** (2017.12 - EP); **A61P 19/02** (2017.12 - EP); **A61P 21/00** (2017.12 - EP); **A61P 25/00** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 27/02** (2017.12 - EP); **A61P 29/00** (2017.12 - EP); **A61P 31/00** (2017.12 - EP); **A61P 31/12** (2017.12 - EP); **A61P 33/00** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61P 37/00** (2017.12 - EP); **A61P 37/06** (2017.12 - EP); **A61P 37/08** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 277/66** (2013.01 - EP KR US); **C07D 417/04** (2013.01 - EP US); **C07D 417/12** (2013.01 - EP US); **C07D 417/14** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2005000843A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2006135573 A1 20060622; **US 7335674 B2 20080226**; AR 044929 A1 20051012; AU 2004251912 A1 20050106; BR PI0411871 A 20060808; CA 2530662 A1 20050106; CN 1842522 A 20061004; EP 1641789 A2 20060405; FR 2856686 A1 20041231; IL 172774 A0 20060410; JP 2007515383 A 20070614; KR 20060024814 A 20060317; MX PA06000217 A 20060411; NO 20060124 L 20060120; RU 2006101980 A 20060727; WO 2005000843 A2 20050106; WO 2005000843 A3 20050526

DOCDB simple family (application)
US 56294904 A 20040624; AR P040102256 A 20040625; AU 2004251912 A 20040624; BR PI0411871 A 20040624; CA 2530662 A 20040624; CN 200480024394 A 20040624; EP 04767434 A 20040624; FR 0307648 A 20030625; FR 2004001578 W 20040624; IL 17277405 A 20051222; JP 2006516315 A 20040624; KR 20057024694 A 20051223; MX PA06000217 A 20040624; NO 20060124 A 20060109; RU 2006101980 A 20040624