

Title (en)  
TETRAHYDROBENZISOXAZOLE - AND TETRAHYDROINDAZOLE DERIVATIVES AS MODULATORS OF THE MITOTIC MOTOR PROTEIN

Title (de)  
TETRAHYDROBENZISOXAZOLE- UND TETRAHYDROINDAZOLE-DERIVATE ALS MODULATOREN DER MITOTISCHE MOTOR-PROTEIN

Title (fr)  
TÉTRAHYDROBENZO-ISOXAZOLE ET DÉRIVÉ DE TÉTRAHYDRO-INDAZOLE COMME MODULATEURS DE LA PROTÉINE MOTEUR MITOTIQUE

Publication  
**EP 2104664 A1 20090930 (DE)**

Application  
**EP 07856223 A 20071122**

Priority  
• EP 2007010122 W 20071122  
• DE 102006060598 A 20061221

Abstract (en)  
[origin: DE102006060598A1] Tetrahydrobenzoxazole compounds (I) and their derivatives, solvates, tautomers, salts and/or stereoisomers, are new. Tetrahydrobenzoxazole compounds of formula (I) and their derivatives, solvates, tautomers, salts and/or stereoisomers, are new. A 1>, A 2>N, O or S; X 1>-X 3>single bond, NR 3>-NR 3>, NR 3>, O, S, piperazine unit of formula (a), piperidine unit of formula (b) or cyclohexane unit of formula (c); Y 1>C=O, SO, SO 2, (CR 1> 2) n or 2,4-dimethyl-4,5-dihydro-oxazole; Cy : H or carbocyclic or heterocyclic, optionally saturated or aromatic residue (optionally substituted by alkyl, hal, CN, OH, OR, OCF 3, CF 3, COOR or (CR 1> 2) n-Y 1>-X 1>-(CR 1> 2) n-Q); Q : H, (cyclo)alkyl or (hetero)aryl; R, R 1>-R 3>H, alkyl, hal, alkoxy, OH, alkenyl, alkoxyalkyl, hydroxyalkyl, (CH 2) n-Q, (CH 2) n-Cy or (CH 2) nNR 2; hal : F, Br or Cl; n : 0-8; m : 1 or 2; and p : 0-2. Independent claims are included for: (1) the preparation of (I); and (2) a mixture containing one or more phenyl compound of formula (V) or its analog and/or metabolite. Y 2>, Z 2>O or N; R 9>, R 1> 0>H, OH, halo, O(1-10C alkyl), OCF 3, NO 2 or NH 2; R 8>, R 1> 1>-C(=NH)(NH 2), -C(=NOH)(NH 2), 4,5-dihydro-1H-imidazole-2-yl, 1-methyl-4,5-dihydro-1H-imidazole-2-yl, 1H-tetrazole-5-yl or -(=NOH)(NH 2), at the meta- or para position; and s : 2-6. [Image] [Image] ACTIVITY : Cytostatic. MECHANISM OF ACTION : Mitotic motor protein Eg5 modulator.

IPC 8 full level  
**C07D 231/54** (2006.01); **A61K 31/416** (2006.01); **A61K 31/423** (2006.01); **A61K 31/454** (2006.01); **A61K 31/5377** (2006.01); **A61P 35/00** (2006.01); **C07D 261/20** (2006.01); **C07D 413/04** (2006.01); **C07D 413/06** (2006.01); **C07D 413/12** (2006.01); **C07D 413/14** (2006.01)

CPC (source: EP US)  
**A61P 35/00** (2017.12 - EP); **A61P 35/02** (2017.12 - EP); **C07D 231/56** (2013.01 - EP US); **C07D 261/20** (2013.01 - EP US); **C07D 333/72** (2013.01 - EP US); **C07D 413/04** (2013.01 - EP US); **C07D 413/06** (2013.01 - EP US); **C07D 413/12** (2013.01 - EP US); **C07D 413/14** (2013.01 - EP US)

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DOCDB simple family (application)  
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