

Title (en)  
URACIL DERIVATIVES AND USE THEREOF

Title (de)  
URACILDERIVATE UND DEREN VERWENDUNG

Title (fr)  
DÉRIVÉS DE L'URACILE ET LEUR UTILISATION

Publication  
**EP 2303848 A2 20110406 (DE)**

Application  
**EP 09769031 A 20090625**

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Abstract (en)  
[origin: WO2009156182A2] The invention relates to uracil derivatives and use thereof as therapeutic agents. The uracil derivatives are used in particular together with a cytostatic agent for suppressing or reducing resistance building up on cytostatic treatment.

IPC 8 full level  
**C07D 239/22** (2006.01); **C07D 239/54** (2006.01)

CPC (source: EP US)  
**A61P 35/00** (2017.12 - EP); **C07D 239/22** (2013.01 - EP US); **C07D 239/54** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009156182A2

Citation (examination)

- WO 2006009734 A1 20060126 - WYETH CORP [US], et al
- WO 0155119 A2 20010802 - NEUROCRINE BIOSCIENCES INC [US], et al
- EP 0392298 A2 19901017 - BAYER AG [DE]
- M. R. ATKINSON ET AL: "795. Purines, pyrimidines, and glyoxalines. Part IV. Cyanouracils from amines and amino-acids", JOURNAL OF THE CHEMICAL SOCIETY, 1 January 1956 (1956-01-01), LETCHWORTH; GB, pages 4118, XP055310403, ISSN: 0368-1769, DOI: 10.1039/jr9560004118
- ULLA HENRIKSEN: "Facile Synthesis of N-(1-Alkenyl) Derivatives of 2,4-Pyrimidinediones", NUCLEOSIDES, NUCLEOTIDES AND NUCLEIC ACIDS., vol. 19, no. 7, 1 July 2000 (2000-07-01), US, pages 1093 - 1100, XP055310406, ISSN: 1525-7770, DOI: 10.1080/15257770008035032
- V ESCHENFELDER, R BROSSMER: "Mono-, Di- und Triallyliertes 5-(Hydroxylmethyl)uracil", LIEBIGS ANNALEN DER CHEMIE, 1 January 1977 (1977-01-01), pages 1969 - 1975
- M YOSHIMOTO, C HANSCH: "Correlation Analysis of Baker's Studies on Enzyme Inhibition. 2. Chymotrypsin, Trypsin, Thymidine Phosphorylase, Uridine Phosphorylase, Thymidylate Synthetase, Cytosine Nucleoside Deaminase, Dihydrofolate Reductase, Malate Dehydrogenase, Glutamate Dehydrogenase, Lactate Dehydrogenase, and Glycerol", JOURNAL OF MEDICINAL CHEMISTRY, vol. 19, no. 1, 1 January 1976 (1976-01-01), pages 71 - 98, XP000609047, DOI: doi:10.1021/jm00223a015
- NOEL J CUSACK ET AL: "Purines, pyrimidines, and imidazoles. XL. New synthesis of a D-ribofuranosylamine derivative and its use in the synthesis of pyrimidine and imidazole nucleosides", JOURNAL OF THE CHEMICAL SOCIETY, PERKIN TRANSACTIONS 1, no. 16, 1 January 1973 (1973-01-01), GB, pages 1720 - 1731, XP055365253, ISSN: 0300-922X, DOI: 10.1039/P19730001720
- AVALOS M ET AL: "A one-pot domino reaction in constructing isoorotate bases and their nucleosides", TETRAHEDRON LETTERS, ELSEVIER, AMSTERDAM, NL, vol. 47, no. 12, 20 March 2006 (2006-03-20), pages 1989 - 1992, XP025003753, ISSN: 0040-4039, [retrieved on 20060320], DOI: 10.1016/J.TETLET.2006.01.057
- DEMETRIOS C. AGATHOCLEOUS ET AL: "Purines, pyrimidines and imidazoles. Part 67. Some N-substituted o-(2-hydroxyethyl)benzyl-purines, -pyrimidines and -imidazoles as aromatic acylonucleoside analogues", JOURNAL OF THE CHEMICAL SOCIETY, PERKIN TRANSACTIONS 1, vol. 1, no. 21, 7 November 1993 (1993-11-07), GB, pages 2555 - 2559, XP055365251, ISSN: 0300-922X, DOI: 10.1039/p19930002555
- JI J-S ET AL: "Reactions of 3,5-dinitro-4-chlorobenzotrifluoride and 3, 5-dinitro-2-chlorobenzotrifluoride with nitrogen-containing nucleophiles", HUAXUE XUEBAO (1981), ZHONGGUO KEXUEYUAN SHANGHAI YOUJI HUAXUE YANJIUSUO, CN, vol. 47, 1 January 1989 (1989-01-01), pages 396 - 399, XP009125743, ISSN: 0567-7351
- SENDA S ET AL: "PYRIMIDINE DERIVATIVES AND RELATED COMPOUNDS XVII. HYDROLYSIS OF 5-CYANOURACIL DERIVATIVES", CHEMICAL AND PHARMACEUTICAL BULLETIN, PHARMACEUTICAL SOCIETY OF JAPAN, JP, vol. 20, no. 7, 1 January 1972 (1972-01-01), pages 1389 - 1398, XP000926464, ISSN: 0009-2363
- S SENDA, K HIROTA, J NOTANI: "Pyrimidine Derivatives and Related Compounds. XVI. Synthesis of 1,3-Disubstituted 5-Cyanouracil Derivatives and Related Compounds", CHEMICAL AND PHARMACEUTICAL BULLETIN, vol. 20, no. 7, 1 July 1972 (1972-07-01), pages 1380 - 1388
- DATABASE REGISTRY [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 25 February 2003 (2003-02-25), Database accession no. 494766-26-6
- DATABASE REGISTRY [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 25 February 2003 (2003-02-25), Database accession no. 494766-26-6
- DATABASE REGISTRY [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 24 March 2003 (2003-03-24), Database accession no. 500347-70-6
- DATABASE REGISTRY [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1 November 2004 (2004-11-01), Database accession no. 773098-78-5
- DATABASE REGISTRY [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1 November 2004 (2004-11-01), Database accession no. 773098-84-3
- DATABASE REGISTRY [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1 November 2004 (2004-11-01), Database accession no. 773108-56-8
- DATABASE REGISTRY [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 15 June 2001 (2001-06-15), Database accession no. 341505-71-3

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