

Uracil Nucleotides

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Recent Publications on Uracil Nucleotides:

- [Opposite effects of uracil and adenine nucleotides on the survival of murine cardiomyocytes.](#)
*We previously showed that the human heart expresses all known P2X and P2Y...*9th September, 2008
Laboratory of Molecular and Cellular Pharmacology of Purinergic- J Cell Mol Med. 2008 Apr;12(2):522-36. ([DOI Direct Link](#))
- [Identification of novel guide RNAs from the mitochondria of Trypanosoma brucei.](#)
*The majority of mitochondrial mRNAs in African trypanosomes are subject to...*3rd September, 2008
Innsbruck Biocenter, Division of Genomics and RNomics, Innsbruck Medical- RNA Biol. 2008 Apr-Jun;5(2):84-91. Epub 2008 Apr 3.
- [Synthesis and potency of novel uracil nucleotides and derivatives as P2Y2 and P2Y6 receptor agonists.](#)
*The phosphate, uracil, and ribose moieties of uracil nucleotides were...*17th July, 2008
Molecular Recognition Section, Laboratory of Bioorganic Chemistry, NIDDK,- Bioorg Med Chem. 2008 Jun 15;16(12):6319-32. Epub 2008 May 9. ([DOI Direct Link](#))
- [Stereospecific synthesis of sugar-1-phosphates and their conversion to sugar nucleotides.](#)
*As Leloir glycosyltransferases are increasingly being used to prepare...*3rd June, 2008
Department of Chemistry, Dalhousie University, Halifax, Nova Scotia,- Carbohydr Res. 2008 Apr 7;343(5):865-74. Epub 2008 Feb 9. ([DOI Direct Link](#))
- [UDP is a competitive antagonist at the human P2Y14 receptor.](#)
*G protein-coupled P2Y receptors (P2Y-R) are activated by adenine and...*20th May, 2008
Department of Pharmacology, University of North Carolina, CB#7365 Mary- J Pharmacol Exp Ther. 2008 May;325(2):588-94. Epub 2008 Feb 5. ([DOI Direct Link](#))
- [Uracil nucleotides: from metabolic intermediates to neuroprotection and neuroinflammation.](#)
*Uracil nucleotides (i.e., UTP and UDP) have been known for years as...*17th May, 2008
Laboratory of Molecular and Cellular Pharmacology of Purinergic- Biochem Pharmacol. 2008 May 15;75(10):1869-81. Epub 2008 Jan 3. ([DOI Direct Link](#))
- [Different patterns of Ca\(2+\) signals are induced by low compared to high concentrations of P2Y agonists in microglia.](#)
*Brain-resident macrophages (microglia) are key cellular elements in the...*12th April, 2008
Department of Cell Biology and Neuroscience, Section of Degenerative and- Purinergic Signal. 2006 Nov;2(4):605-17. Epub 2006 Sep 13. ([DOI Direct Link](#))
- [Structures of the human orotidine-5'-monophosphate decarboxylase support a covalent mechanism and provide a framework for drug design.](#)
*UMP synthase (UMPS) catalyzes the last two steps of de novo pyrimidine...*20th March, 2008
Department of Molecular Structural Biology, University of Gottingen,- Structure. 2008 Jan;16(1):82-92. (

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- [Degradation of histone mRNA requires oligouridylation followed by decapping and simultaneous degradation of the mRNA both 5' to 3' and 3' to 5'.](#)
*Histone mRNAs are rapidly degraded at the end of S phase or when DNA...*14th March, 2008
Department of Biochemistry and Biophysics, University of North Carolina at- Genes Dev. 2008 Jan 1;22(1):50-65. ([DOI Direct Link](#))
- [New ways to meet your \(3'\) end oligouridylation as a step on the path to destruction.](#)
*Histone mRNAs are rapidly degraded at the end of S phase or when DNA...*14th March, 2008
Department of Microbiology, Immunology, and Pathology, Colorado State- Genes Dev. 2008 Jan 1;22(1):1-7. ([DOI Direct Link](#))
- [A novel magnetic bead-based assay with high sensitivity and selectivity for analysis of telomerase in exfoliated cells from patients with bladder and colon cancer.](#)
*Telomerase activity is elevated in more than 85% of cancer cells and...*21st February, 2008
The Ludwig Institute for Cancer Research, Melbourne Tumour Biology Branch,- Electrophoresis. 2007 Dec;28(23):4435-46. ([DOI Direct Link](#))
- [Roles for TbDSS-1 in RNA surveillance and decay of maturation by-products from the 12S rRNA locus.](#)
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Department of Microbiology and Immunology, Witebsky Center for Microbial- Nucleic Acids Res. 2008 Jan;36(1):319-29. Epub 2007 Nov 21. ([DOI Direct Link](#))
- [Ca²⁺-dependent ATP release from A549 cells involves synergistic autocrine stimulation by coreleased uridine nucleotides.](#)
*Extracellular ATP is a potent surfactant secretagogue but its origin in...*11th January, 2008
Centre hospitalier de l'Universite de Montreal - Hotel-Dieu, 3850- J Physiol. 2007 Oct 15;584(Pt 2):419-35. Epub 2007 Aug 16. ([DOI Direct Link](#))
- [P2Y receptors: focus on structural, pharmacological and functional aspects in the brain.](#)
*Purine and pyrimidine nucleotides have been identified as potent...*3rd January, 2008
Rudolf-Boehm-Institute of Pharmacology and Toxicology, University of- Curr Med Chem. 2007;14(23):2429-55.
- [Suicide gene therapy with the yeast fusion gene cytosine deaminase/uracil phosphoribosyltransferase is not enough for pancreatic cancer.](#)
*OBJECTIVES: Suicide gene therapy with FCY1 gene, encoding cytosine...*8th November, 2007
Department of Medical and Surgical Sciences, University of Padova, Padova,- Pancreas. 2007 Oct;35(3):224-31. ([DOI Direct Link](#))

Uracil Nucleotides Patents:



- 5633165- [Fermentor with vertical shaft](#)
- 6294655- [Anti-interleukin-1 receptor antagonist antibodies and uses thereof](#)
- 6316426- [Acylated uridine and cytidine and uses thereof](#)
- 6335013- [Methods and materials relating to CD39-like polypeptides](#)
- 6337072- [Interleukin-1 receptor antagonist and recombinant production thereof](#)
- 6350447- [Methods and compositions relating to CD39-like polypeptides and nucleic acids](#)
- 6387645- [Methods and materials relating to novel CD39-like polypeptides](#)
- 6395478- [Identification and comparison of protein-protein interactions that occur in populations and](#)

identification of inhibitors of these interactors

- 6410239- Identification and comparison of protein--protein interactions that occur in populations and identification of inhibitors of these interactors
- 6426191- Assays involving an IL-1 receptor antagonist
- 6447771- Methods and materials relating to novel CD39-like polypeptides
- 6274563- Acylated uridine and cytidine and uses thereof
- 6258795- Acylated uridine and cytidine and uses thereof
- 6103467- Method and system for synthesizing oligonucleotides using nucleotide-specific dispensing bars
- 5635349- High-throughput screening assay for inhibitors of nucleic acid polymerases
- 5683694- Method for the treatment of tumors with conjugated antibody A5B7 and a prodrug
- 5716990- Drug delivery systems
- 5733509- Method and system for synthesizing oligonucleotides using nucleotide-specific dispensing bars
- 5789199- Process for bacterial production of polypeptides
- 5837836- Bovine .beta.-mannosidase nucleic acid sequence
- 5972618- Detection of mutations in nucleic acids by chemical cleavage
- 5972693- Apparatus for identifying, classifying, or quantifying DNA sequences in a sample without sequencing
- 6057101- Identification and comparison of protein-protein interactions that occur in populations and identification of inhibitors of these interactors
- 6083693- Identification and comparison of protein-protein interactions that occur in populations
- 6476211- Methods and materials relating to CD39-like polypeptides
- 6541623- Interleukin--1 receptor antagonist and uses thereof
- 7105498- Acylated uridine and cytidine and uses thereof
- 7157272- Constructs for gene expression analysis
- 7238795- Nucleic acid binding compounds containing pyrazolo[3,4-d]pyrimidine analogues of purin-2,6-diamine and their uses
- 7264940- G-coupled receptor showing selective affinity for ATP
- 7270966- Human pyrimidine receptor
- 7288631- G-coupled receptor showing selective affinity for ATP
- 7312082- Crystal structure of G-quadruplex containing a potassium ion
- 7312317- P2Y4 antibodies
- 7332275- Methods for detecting methylated nucleotides
- 7410788- Compositions and methods for production of disulfide bond containing proteins in host cells
- 7045345- G-coupled receptor showing selective affinity for ATP
- 6946244- Methods of identifying a ligand, an agonist, and an antagonist of G protein coupled receptor GPR86 (P2Y13)
- 6899875- Methods and compositions relating to CD39-like polypeptides and nucleic acids
- 6759214- Methods and compositions relating to CD39-like polypeptides and nucleic acids
- 6780410- Methods and compositions relating to CD39-like polypeptides and nucleic acids
- 6780977- Methods and compositions relating to CD39-like polypeptides and nucleic acids
- 6783959- Methods and compositions relating to CD39-like polypeptides and nucleic acids
- 6787328- Methods and compositions relating to CD39-like polypeptides and nucleic acids
- 6790626- Human pyrimidine receptor
- 6828423- Methods and compositions relating to CD39-like polypeptides and nucleic acids
- 6858207- Methods and materials relating to novel CD39-like polypeptides
- 6872563- Compositions and methods for production of disulfide bond containing proteins in host cells
- 6884872- Methods and compositions relating to CD39-like polypeptides and nucleic acids
- 7422846- Natural ligand for orphan G protein coupled receptor GPR86 and methods of use

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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