

Thioinosine

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Recent Publications on Thioinosine:



- [Photocycloaddition of the T1 excited state of thioinosine to uridine and adenosine.](#)
*Novel photoadducts were obtained by irradiation of thioinosine...*1st October, 2009
Faculty of Chemistry, Adam Mickiewicz University, 60-780, Poznan, Poland.- *Photochem Photobiol Sci.* 2009 Oct;8(10):1379-88. Epub 2009 Jun 26. ([DOI Direct Link](#))
- [Negative crosstalk between M1 and M2 muscarinic autoreceptors involves endogenous adenosine activating A1 receptors at the rat motor endplate.](#)
*At the rat motor nerve terminals, activation of muscarinic M(1) receptors...*25th August, 2009
Laboratorio de Farmacologia e Neurobiologia, Unidade Multidisciplinar de- *Neurosci Lett.* 2009 Aug 14;459(3):127-31. Epub 2009 May 7. ([DOI Direct Link](#))
- [Metformin prevents myocardial reperfusion injury by activating the adenosine receptor.](#)
*Metformin improves cardiovascular outcomes in patients with type 2...*25th August, 2009
The Hatter Cardiovascular Institute, University College London Medical- *J Cardiovasc Pharmacol.* 2009 May;53(5):373-8. ([DOI Direct Link](#))
- [Prevention of early loss of transplanted islets in the liver of mice by adenosine.](#)
*BACKGROUND: The low efficiency of islet transplantation necessitating...*25th July, 2009
Department of Regenerative Medicine and Transplantation, Faculty of- *Transplantation.* 2009 Jul 15;88(1):49-56. ([DOI Direct Link](#))
- [Inhibitory effect of nonsteroidal anti-inflammatory drugs on adenosine transport in vascular smooth muscle cells.](#)
*It is generally accepted that the clinical efficacy of nonsteroidal...*10th July, 2009
Department of Pharmacology and Pharmacy, The University of Hong Kong, Hong- *Eur J Pharmacol.* 2009 Jun 10;612(1-3):15-20. Epub 2009 Apr 18. ([DOI Direct Link](#))
- [Modulation of gamma oscillations by endogenous adenosine through A1 and A2A receptors in the mouse hippocampus.](#)
*Adenosine serves as a homeostatic factor, regulating hippocampal activity...*2nd July, 2009
Department of Neurophysiology, Division of Neuroscience, School of- *Neuropharmacology.* 2009 Feb;56(2):481-92. Epub 2008 Oct 17. ([DOI Direct Link](#))
- [S-adenosylmethionine regulates thiopurine methyltransferase activity and decreases 6-mercaptopurine cytotoxicity in MOLT lymphoblasts.](#)
*Six-mercaptopurine (6-MP) is a pro-drug widely used in treatment of...*3rd June, 2009
University of Ljubljana, Faculty of Pharmacy, Ljubljana, Slovenia.- *Biochem Pharmacol.* 2009 Jun 15;77(12):1845-53. Epub 2009 Mar 19. ([DOI Direct Link](#))
- [The role of the equilibrative nucleoside transporter 1 \(ENT1\) in transport and metabolism of ribavirin by](#)

[human and wild-type or Ent1-/- mouse erythrocytes.](#)

The polar nucleoside drug ribavirin is front-line treatment for chronic... 29th April, 2009

Department of Pharmaceutics, University of Washington, Seattle, WA 98195,- J Pharmacol Exp Ther. 2009 Apr;329(1):387-98. Epub 2009 Jan 22. ([DOI Direct Link](#))

- [Efficacy of the tubercidin antileishmania action associated with an inhibitor of the nucleoside transport.](#)

Tubercidin (TUB) is an adenosine analog with potent antiparasite action,... 17th April, 2009

Dept. Molestias Infecciosas e Parasitarias, Instituto de Medicina- Parasitol Res. 2009 Jan;104(2):223-8. Epub 2008 Sep 12. ([DOI Direct Link](#))

- [Enhancing brain adenosine signaling with the nucleoside transport blocker NBTI](#)

[\(S-\(4-nitrobenzyl\)-6-theoinsine\) mimics the effects of inescapable shock on later shuttle-escape performance in rats.](#)

Experience with un signaled, inescapable shock represents a profound... 15th April, 2009

Department of Psychology, Brain Research Institute, University of- Behav Neurosci. 2008 Dec;122(6):1236-47. ([DOI Direct Link](#))

- [Ethanol blocks adenosine uptake via inhibiting the nucleoside transport system in bronchial epithelial cells.](#)

BACKGROUND: Adenosine uptake into cells by nucleoside transporters plays a... 21st March, 2009

Department of Internal Medicine, Pulmonary, Critical Care, Sleep and- Alcohol Clin Exp Res. 2009 May;33(5):791-8. Epub 2009 Mar 6. ([DOI Direct Link](#))

- [Identification of a novel point mutation in ENT1 that confers resistance to Ara-C in human T cell leukemia CCRF-CEM cells.](#)

The genetic basis for the Ara-C resistance of CCRF-CEM Ara-C/8C leukemia... 11th March, 2009

Department of Pharmacology, 4009 Genetic Medicine Bldg., 120 Mason Farm- FEBS Lett. 2009 Jan 22;583(2):425-9. Epub 2008 Dec 29. ([DOI Direct Link](#))

- [Contribution of Na+-independent nucleoside transport to ribavirin uptake in the rat intestine and human epithelial LS180 cells.](#)

The aim of the present study was to characterize the intestinal absorption... 4th March, 2009

Graduate School of Medicine and Pharmaceutical Sciences, University of- Eur J Pharmacol. 2008 Dec 28;601(1-3):61-5. Epub 2008 Nov 6. ([DOI Direct Link](#))

- [CoMFA and CoMSIA 3D-QSAR studies on S\(6\)-\(4-nitrobenzyl\)mercaptapurine riboside \(NBMPR\) analogs as inhibitors of human equilibrative nucleoside transporter 1 \(hENT1\).](#)

3D-QSAR (CoMFA and CoMSIA) studies were performed on human equilibrative... 3rd March, 2009

Department of Pharmaceutical Sciences, College of Pharmacy, University of- Bioorg Med Chem Lett. 2009 Jan 15;19(2):314-8. Epub 2008 Nov 27. ([DOI Direct Link](#))

- [7-Deaza-6-benzylthioinosine analogues as subversive substrate of Toxoplasma gondii adenosine kinase: activities and selective toxicities.](#)

Toxoplasma gondii adenosine kinase (EC.2.7.1.20) is the major route of... 19th November, 2008

Department of Pharmacology and Toxicology, Center for AIDS Research,- Biochem Pharmacol. 2008 Oct 15;76(8):958-66. Epub 2008 Aug 7. ([DOI Direct Link](#))

Thioinosine Patents:



- 6849458- [Microplate thermal shift assay apparatus for ligand development and multi-variable protein chemistry optimization](#)

- 7138250- [Method of determining thiopurine methyltransferase activity](#)
- 7138376- [Methods and compositions for treating hepatitis C virus using 4'-modified nucleosides](#)
- 7141598- [Imidazole derivatives, production method thereof and use thereof](#)
- 7148349- [Cyclic phosphate diesters of 1,3-propane-1-aryl diols and their use in preparing prodrugs](#)
- 7151092- [Cytarabine monophosphate prodrugs](#)
- 7192936- [Modified 2' and 3'-nucleoside prodrugs for treating Flaviviridae infections](#)
- 7193081- [Process for preparation of cyclic prodrugs of PMEA and PMPA](#)
- 7205404- [Phosphorus-containing prodrugs](#)
- 7214668- [Phosphonic acid based prodrugs of PMEA and its analogues](#)
- 7244611- [Methods and devices for hybridization and binding assays using thermophoresis](#)
- 7122321- [High throughput method for functionally classifying proteins identified using a genomics approach](#)
- 7105497- [Methods of optimizing drug therapeutic efficacy for treatment of immune-mediated gastrointestinal disorders](#)
- 7071158- [Antioxidant enhancement of therapy for hyperproliferative conditions](#)
- 6861059- [Methods and compositions for treatment of HIV-1 infection using antiviral compounds in simultaneous or sequential combinations](#)
- 6946115- [Prodrugs for phosphorus-containing compounds](#)
- 6960586- [Imidazole derivatives, process for their preparation and their use](#)
- 6962900- [Pharmaceutical being used for treating HIV infection, the composition and uses thereof](#)
- 6977252- [Use of 1,4-benzothiazepine derivatives as drugs for overcoming resistance to anticancer drugs](#)
- 6984653- [Heterocyclic compounds, oxazole derivatives, process for preparation of the same and use thereof](#)
- 6987097- [Methods of optimizing drug therapeutic efficacy for treatment of immune-mediated gastrointestinal disorders](#)
- 7038039- [Process for selectively producing 1-phosphorylated sugar derivative anomer and process for producing nucleoside](#)
- 7053050- [Preventives/remedies for proliferative organ diseases chronic arthritic diseases, hypertrophic scar or keloid](#)
- 7067537- [Substituted thiazole derivatives bearing 3-pyridyl groups, process for preparing the same and use thereof](#)
- 7253155- [Combinations for the treatment of immunoinflammatory disorders](#)
- 7326694- [Methods of optimizing drug therapeutic efficacy for treatment of immune-mediated gastrointestinal disorders](#)
- 7491720- [Aminopyridine derivatives having Aurora A selective inhibitory action](#)
- 7498320- [Cyclic phosphate diesters of 1,3-propane-1-aryl diols and their use in preparing prodrugs](#)
- 7507740- [Fused heterocyclic compound](#)
- 7524851- [Diagnostic methods for therapeutic compounds and methods for monitoring azathioprine therapy](#)
- 7547704- [Modified 2' and 3'-nucleoside prodrugs for treating Flaviviridae infections](#)
- 7553826- [Cytarabine monophosphate prodrugs](#)
- 7582618- [2'-C-methyl-3'-O-L-valine ester ribofuranosyl cytidine for treatment of flaviviridae infections](#)
- 7582758- [Lewis acid mediated synthesis of cyclic esters](#)
- 7598373- [Process for the production of 2-C-methyl-D-ribonolactone](#)
- 7608597- [Methods and compositions for treating hepatitis C virus](#)
- 7462605- [Phosphoramidate compounds and methods of use](#)
- 7456155- [2'-C-methyl-3'-O-L-valine ester ribofuranosyl cytidine for treatment of flaviviridae infections](#)
- 7452689- [Method for rapid determination of thiopurine methyltransferase activity](#)
- 7335727- [Pharmaceutical used for treating HIV infection, the composition and uses thereof](#)
- 7338666- [Methods for modulating the axonal outgrowth of central nervous system neurons](#)
- 7351399- [Prodrugs for phosphorus-containing compounds](#)
- 7358235- [Analogues of nitrobenzylthioinosine](#)

- 7365057- [Modified 2' and 3'-nucleoside prodrugs for treating Flaviviridae infections](#)
- 7384924- [Modified 2' and 3'-nucleoside prodrugs for treating Flaviviridae infections](#)
- 7385051- [Fluorescent N.sup.2,N3-etheno-purine \(2'-deoxy\) riboside derivatives and uses thereof](#)
- 7423007- [Cxcr4 antagonist and use thereof](#)
- 7425546- [Methods of optimizing drug therapeutic efficacy for treatment of immune-mediated gastrointestinal disorders](#)
- 7429570- [Methods of optimizing drug therapeutic efficacy for treatment of immune-mediated gastrointestinal disorders](#)
- 7608600- [Modified 2' and 3'-nucleoside prodrugs for treating Flaviviridae infections](#)

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