

# S-Adenosylhomocysteine

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## Recent Publications on S-Adenosylhomocysteine:

- [Structural and functional insights into O-methyltransferase from \*Bacillus cereus\*.](#)  
*The specific substrates, mechanisms, and structures of the bacterial...*2nd October, 2008  
Department of Agricultural Biotechnology and Center for Agricultural- J Mol Biol. 2008 Oct 17;382(4):987-97. Epub 2008 Aug 5. ([DOI Direct Link](#))
- [Relationships between gene polymorphisms of folate-related proteins and vitamins and metabolites in pregnant women and neonates.](#)  
*BACKGROUND: The methylenetetrahydrofolate reductase (MTHFR), glutamate...*1st October, 2008  
Departamento de Analises Clinicas e Toxicologicas, Faculdade de Ciencias- Clin Chim Acta. 2008 Sep 11. ([DOI Direct Link](#))
- [Synthesis of fluoroneplanocin A.](#)  
*Fluoroneplanocin A, designed as a potent mechanism-based irreversible...*27th September, 2008  
Laboratory of Medicinal Chemistry, College of Pharmacy, Ewha Womans- Curr Protoc Nucleic Acid Chem. 2008 Sep;Chapter 14:Unit 14.6. ([DOI Direct Link](#))
- [Crystal Structures of Mycobacterium Tuberculosis S-Adenosyl-L-Homocysteine Hydrolase in Ternary Complex with Substrate and Inhibitors.](#)  
*S-adenosylhomocysteine hydrolase (SAHH) is a ubiquitous enzyme that plays...*26th September, 2008  
- Protein Sci. 2008 Sep 24. ([DOI Direct Link](#))
- [Transcriptional regulation of \*Corynebacterium glutamicum\* methionine biosynthesis genes in response to methionine supplementation under oxygen deprivation.](#)  
*Expression at the mRNA level of six methionine biosynthesis genes in...*19th September, 2008  
Research Institute of Innovative Technology for the Earth, 9-2- Appl Microbiol Biotechnol. 2008 Sep 18. ([DOI Direct Link](#))
- [Maternal global methylation status and risk of congenital heart diseases.](#)  
*OBJECTIVE: To investigate whether the association between the maternal...*17th September, 2008  
Departments of Obstetrics and Gynecology, Division of Obstetrics and- Obstet Gynecol. 2008 Aug;112(2 Pt 1):277-83. ([DOI Direct Link](#))
- [The crystal structure of \*Pyrococcus abyssi\* tRNA \(uracil-54, C5\)-methyltransferase provides insights into its tRNA specificity.](#)  
*The 5-methyluridine is invariably found at position 54 in the TΨiC loop...*17th September, 2008  
Enzymology and Structural Biochemistry Laboratory, CNRS, 1 avenue de la- Nucleic Acids Res. 2008 Sep;36(15):4929-40. Epub 2008 Jul 24. ([DOI Direct Link](#))
- [S-Adenosylhomocysteine hydrolase overexpression in HEK-293 cells: effect on intracellular adenosine levels, cell viability, and DNA methylation.](#)

*BACKGROUND/AIMS: S-Adenosylhomocysteine hydrolase (AdoHcyase) catalyzes...*5th September, 2008

Department of Pharmacology and Toxicology, Faculty of Medicine, University- Cell Physiol Biochem. 2008;22(1-4):223-36. Epub 2008 Jul 25. ([DOI Direct Link](#))

- [Gene-environment interactions in the causation of neural tube defects: folate deficiency increases susceptibility conferred by loss of Pax3 function.](#)  
*Risk of neural tube defects (NTDs) is determined by genetic and...*30th August, 2008  
Neural Development Unit, UCL Institute of Child Health, University College- Hum Mol Genet. 2008 Aug 26. ([DOI Direct Link](#))
- [S-Adenosylhomocysteine hydrolase downregulation contributes to tumorigenesis.](#)  
*With the idea to discover novel genes involved in proliferation, we have...*21st August, 2008  
Spanish National Cancer Research Center (CNIO), 3 Melchor Fernandez- Carcinogenesis. 2008 Aug 19. ([DOI Direct Link](#))
- [The effect of thiopurine drugs on DNA methylation in relation to TPMT expression.](#)  
*The thiopurine drugs 6-mercaptopurine (6-MP) and 6-thioguanine (6-TG) are...*19th August, 2008  
Leukaemia Research Group, Northern Institute for Cancer Research, Paul- Biochem Pharmacol. 2008 Jul 30. ([DOI Direct Link](#))
- [In vitro formation of homocysteine in whole blood in the presence of anticoagulants.](#)  
*OBJECTIVE: To investigate whether the association between the maternal...*15th August, 2008  
- Clin Chem. 2008 Aug;54(8):1402-3. ([DOI Direct Link](#))
- [Changes in S-adenosylmethionine and GSH homeostasis during endotoxemia in mice.](#)  
*Endotoxemia participates in the pathogenesis of many liver injuries....*13th August, 2008  
Department of Medicine, USC Research Center for Liver Diseases, USC-UCLA- Lab Invest. 2008 Oct;88(10):1121-9. Epub 2008 Aug 11. ([DOI Direct Link](#))
- [Decreased DNA Methyltransferase 3A and 3B mRNA Expression in Peripheral Blood Mononuclear Cells and Increased Plasma SAH Concentration in Adult Patients with Idiopathic Thrombocytopenic Purpura.](#)  
*OBJECTIVE: DNA methylation is known to play an important role in gene...*7th August, 2008  
State Key Laboratory of Experimental Hematology, Institute of Hematology- J Clin Immunol. 2008 Sep;28(5):432-9. Epub 2008 Aug 6. ([DOI Direct Link](#))
- [Methylation status in healthy subjects with normal and high serum folate concentration.](#)  
*OBJECTIVE: We assessed the impact of high serum folate concentration on...*26th July, 2008  
Aging and Chronic Diseases Laboratory, INTA, University of Chile,- Nutrition. 2008 Jul 22. ([DOI Direct Link](#))

## BioNews Results for S-Adenosylhomocysteine

- [BetterInvesting Magazine Releases December's Stock to Study and Undervalued Stock Choices for Investors' Infor](#)  
*KLFY: Oct 4 2008 3:36AM Matching: s*
- [BetterInvesting Magazine Releases December's Stock to Study and Undervalued Stock Choices for Investors' Infor](#)  
*Montana's News Station: Oct 4 2008 1:18AM Matching: s*
- [Congress Reforms HIV Testing for Veterans](#)  
*Gay Wired: Oct 4 2008 12:17AM Matching: s*
- [Jubilant Organosys and Lilly to form JV](#)  
*Yahoo! India: Oct 3 2008 11:54PM Matching: s*
- [BetterInvesting Magazine Releases December's Stock to Study and Undervalued Stock Choices for Investors' Infor](#)

KSLA: Oct 3 2008 11:47PM Matching: s

- [Press Release published on: September 27, 2008 CONGRESS PASSES SWEEPING VETERANS MENTAL HEALTH LEGISLATION](#)

U.S. Senate Committee on Veteran Affairs: Oct 3 2008 9:41AM Matching: s

- [Identification and characterization of domains responsible for self-assembly and cell wall binding of the surf](#)

MDLinx: Oct 3 2008 3:00AM Matching: s

- [Eli Lilly forms joint venture with Jubilant for drug development](#)

Hindu Business Line: Oct 3 2008 10:35PM Matching: s

- [Large-Scale Beta-Propiolactone Inactivation Of HIV For Vaccines](#)

Bioresearch Online: Oct 3 2008 6:13PM Matching: s

- [Schaeffer's Looks Ahead: Earnings from Alcoa Inc. and General Electric Company](#)

Schaeffers Research: Oct 3 2008 4:43PM Matching: s

- [Jubilant Organosys, Eli Lilly to form drug development JV](#)

MyIris: Oct 3 2008 3:54PM Matching: s

- [Antiviral Activity of Single-Dose PRO 140, a CCR5 Monoclonal Antibody, in HIV-Infected Adults](#)

National AIDS Treatment Advocacy Project: Oct 3 2008 2:21PM Matching: s

- [Licensure of a Diphtheria and Tetanus Toxoids and Acellular Pertussis Adsorbed and Inactivated Poliovirus Vacc](#)

TradingMarkets: Oct 3 2008 10:57AM Matching: s

- [Latest Research Supports New AIDS Drug](#)

WTVM: Oct 3 2008 9:46AM Matching: s

- [ADA Presents First Humanitarian Award at 149th Annual Session](#)

KSLA: Oct 3 2008 8:41AM Matching: s

#### S-Adenosylhomocysteine Clinical Trials:



- [Dietary Supplements for the Treatment of Angelman Syndrome](#)  
*Angelman Syndrome; Nervous System Diseases*

#### S-Adenosylhomocysteine Patents:



- 7037660- [Methods for detecting and quantifying binding and inhibition of binding of species to nucleic acids](#)
- 7183099- [Inhibitors of autoinducer transporters](#)
- 7189507- [Methods of diagnosis of ovarian cancer, compositions and methods of screening for modulators of ovarian cancer](#)
- 7192729- [Methods for assaying homocysteine](#)

- 7196093- [Reversible inhibitors of SAH hydrolase and uses thereof](#)
- 7202052- [Mitogenic oxygenase regulators](#)
- 7202053- [Mitogenic oxygenase regulators](#)
- 7208612- [Crystals of LuxP and complexes thereof](#)
- 7217815- [2-beta -modified-6-substituted adenosine analogs and their use as antiviral agents](#)
- 7232578- [Pharmaceutical composition inducing cancer cell differentiation and the use for treatment and prevention of cancer thereof](#)
- 7235358- [Methods and compositions for diagnosing and monitoring transplant rejection](#)
- 7176291- [Glycine N-methyltransferase monoclonal antibodies and methods of use therefor](#)
- 7169894- [Methods and compositions for reverse translation](#)
- 7135486- [Substituted 2-thio-3,5-dicyano-4-aryl-6-aminopyridines and the use thereof](#)
- 7045612- [Human methionine synthase reductase: cloning, and methods for evaluating risk of neural tube defects, cardiovascular disease, and cancer](#)
- 7045631- [Substituted 2-thio-3, 5-dicyano-4-phenyl-6-aminopyridines and their use as adenosine receptor-selective ligands](#)
- 7063944- [Human methionine synthase reductase: cloning, and methods for evaluating risk of, preventing, or treating neural tube defects, cardiovascular disease, cancer, and down's syndrome](#)
- 7078180- [Methods and compositions useful for diagnosis, staging, and treatment of cancers and tumors](#)
- 7078417- [Substituted 2-thio-3,5-dicyano-4-phenyl-6-aminopyridines with adenosine receptor-binding activity and their use as cardiovascular preparations](#)
- 7081449- [Pyrido\[2,3-d\]pyrimidine and pyrimido\[4,5-d\]pyrimidine nucleosides](#)
- 7097968- [Methods and compositions for assaying homocysteine](#)
- 7098334- [4-amino-5H-pyrrolo\[3,2-d\]pyrimidine inhibitors of nucleoside phosphorylases and nucleosidases](#)
- 7109218- [Substituted 2-thio-3,5-dicyano-4-phenyl-6-aminopyridines and the use of the same](#)
- 7129255- [Substituted 2-carba-3,5-dicyano-4-aryl-6-aminopyridines and the use of the same as selective ligands of the adenosine receptor](#)
- 7250554- [Precise breeding](#)
- 7267937- [Facile diagnosis and monitoring of pneumocystis carinii infection](#)
- 7358309- [Compositions for use in golf balls](#)
- 7358310- [Compositions for use in golf balls](#)
- 7361711- [Compositions for use in golf balls](#)
- 7371207- [Estrogen receptor .alpha. regulated gene expression, related assays and therapeutics](#)
- 7378505- [Assay method for group transfer reactions](#)
- 7384760- [Methods for assaying inhibitors of S-adenosylhomocysteine \(SAH\) hydrolase and S-adenosylmethionine \(SAM\)-dependent methyltransferase](#)
- 7387796- [Stable compositions of S-adenosyl-l-methionine with dextran](#)
- 7399775- [.beta.-amyloid protein production/secretion inhibitor](#)
- 7405214- [Nucleoside derivatives and therapeutic use thereof](#)
- 7427489- [Screening assay to identify modulators of the sleep/wake cycle](#)
- 7358308- [Compositions for use in golf balls](#)
- 7355010- [Assay method for group transfer reactions](#)
- 7335475- [PR/SET-domain containing nucleic acids, polypeptides, antibodies and methods of use](#)
- 7276592- [Nucleotide analogs with six-membered rings](#)
- 7291461- [Methods for identifying small molecules that modulate premature translation termination and nonsense mRNA decay](#)
- 7306950- [Composition and use of substances for stabilising amino acids containing sulphur](#)
- 7323319- [RNA containing coenzymes, biotin, or fluorophores, and methods for their preparation and use](#)
- 7323338- [Plants characterized by an increased content of methionine and related metabolites, methods of generating same and uses thereof](#)
- 7323340- [Compositions and methods for regulating bacterial pathogenesis](#)
- 7326542- [Compositions and methods for regulating bacterial pathogenesis](#)

- 7329422- [Pharmaceutical compositions](#)
- 7332278- [Assay methods for group transfer reactions](#)
- 7332310- [Mutant of homoserine dehydrogenase from Corynebacterium and DNA encoding thereof](#)
- 7429569- [Compositions and methods for the regulation of homocysteine levels within the body](#)

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