

Adenosylmethionine Decarboxylase

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- Plant Cell Environ. 2009 Nov 11. ([DOI Direct Link](#))
- [Polyamine anabolic/catabolic regulation along the woody grapevine plant axis.](#)
*The distribution of the endogenous PA fractions throughout the entire...*3rd November, 2009
Department of Biology, University of Crete, P.O. Box 2280, 71 409- J Plant Physiol. 2009 Sep 15;166(14):1508-19. Epub 2009 May 17. ([DOI Direct Link](#))
- [Spermine synthase.](#)
*Spermine is present in many organisms including animals, plants, some...*28th October, 2009
Department of Cellular and Molecular Physiology, Milton S. Hershey Medical- Cell Mol Life Sci. 2009 Oct 27. ([DOI Direct Link](#))
- [Inhibition of S-adenosylmethionine decarboxylase by inhibitor SAM486A connects polyamine metabolism with p53-Mdm2-Akt/protein kinase B regulation and apoptosis in neuroblastoma.](#)
*S-adenosylmethionine decarboxylase (AdoMetDC) is an essential enzyme of...*20th October, 2009
Cancer Research Center of Hawaii, University of Hawaii at Manoa, Honolulu,- Mol Cancer Ther. 2009 Jul;8(7):2067-75. Epub 2009 Jul 7. ([DOI Direct Link](#))
- [Trypanocidal activity of 8-methyl-5'-\[\(Z\)-4-aminobut-2-enyl\]-\(methylamino\)adenosine \(Genz-644131\), an adenosylmethionine decarboxylase inhibitor.](#)
*Genzyme 644131,...*20th October, 2009
Haskins Laboratories, Pace University, 41 Park Row, New York, NY 10038,- Antimicrob Agents Chemother. 2009 Aug;53(8):3269-72. Epub 2009 May 18. ([DOI Direct Link](#))
- [Cross-species activation of trypanosome S-adenosylmethionine decarboxylase by the regulatory subunit prozyme.](#)
*The protozoan parasite Trypanosoma cruzi is the causative agent of Chagas...*17th October, 2009
Department of Pharmacology, University of Texas Southwestern Medical- Mol Biochem Parasitol. 2009 Nov;168(1):1-6. Epub 2009 Jun 10. ([DOI Direct Link](#))
- [Polyamines are not required for aerobic growth of Escherichia coli: preparation of a strain with deletions in all of the genes for polyamine biosynthesis.](#)
*A strain of Escherichia coli was constructed in which all of the genes...*29th August, 2009
Laboratory of Biochemistry and Genetics, National Institute of Diabetes,- J Bacteriol. 2009 Sep;191(17):5549-52. Epub 2009 Jun 19. ([DOI Direct Link](#))
- [Polyamine profiles and biosynthesis in somatic embryo development and comparison of germinating somatic and zygotic embryos of Norway spruce.](#)

- The polyamine (PA) contents and activities of PA biosynthetic enzymes in...* 27th August, 2009
Institute of Experimental Botany v.v.i., Academy of Sciences of the Czech- Tree Physiol. 2009
Oct;29(10):1287-98. Epub 2009 Aug 25. ([DOI Direct Link](#))
- [Identification of integrins alpha6 and beta7 as c-Jun- and transformation-relevant genes in highly invasive fibrosarcoma cells.](#)
Understanding the mechanisms of tumor cell invasion is essential for our... 26th August, 2009
Haartman Institute, Department of Pathology, University of Helsinki and- Int J Cancer. 2009 Sep
1;125(5):1065-73. ([DOI Direct Link](#))
 - [Polyamine accumulation in transgenic tomato enhances the tolerance to high temperature stress.](#)
Polyamines play an important role in plant response to abiotic stress.... 22nd August, 2009
Key Laboratory of Horticultural Plant Growth, Development and- J Integr Plant Biol. 2009
May;51(5):489-99. Epub 2009 Mar 2. ([DOI Direct Link](#))
 - [The mechanism of opiorphin-induced experimental priapism in rats involves activation of the polyamine synthetic pathway.](#)
Intracorporal injection of plasmids encoding opiorphins into retired... 7th August, 2009
Department of Urology and Institute of Smooth Muscle Biology, Albert- Am J Physiol Cell Physiol. 2009
Oct;297(4):C916-27. Epub 2009 Aug 5. ([DOI Direct Link](#))
 - [Cinnamic acid-inhibited ribulose-1,5-bisphosphate carboxylase activity is mediated through decreased spermine and changes in the ratio of polyamines in cowpea.](#)
This study investigated the effects of cinnamic acid (CA) on... 5th August, 2009
Key Laboratory of Horticultural Plant Biology, College of Horticulture and- J Plant Physiol. 2009 Aug 1.
([DOI Direct Link](#))
 - [Role of the sulfonium center in determining the ligand specificity of human S-adenosylmethionine decarboxylase.](#)
S-Adenosylmethionine decarboxylase (AdoMetDC) is a key enzyme in the... 31st July, 2009
Department of Chemistry and Chemical Biology, Cornell University, Ithaca,- Biochemistry. 2009 Jul
14;48(27):6423-30. ([DOI Direct Link](#))
 - [Discovery of new S-adenosylmethionine decarboxylase inhibitors for the treatment of Human African Trypanosomiasis \(HAT\).](#)
Modification of the structure of trypanosomal AdoMetDC inhibitor 1... 18th July, 2009
Drug and Biomaterial R&D, Genzyme Corporation, Waltham, MA 02451, United- Bioorg Med Chem
Lett. 2009 Jun 1;19(11):2916-9. Epub 2009 Apr 24. ([DOI Direct Link](#))
 - [RNA interference-mediated silencing of ornithine decarboxylase and spermidine synthase genes in Trypanosoma brucei provides insight into regulation of polyamine biosynthesis.](#)
Polyamine biosynthesis is a drug target for the treatment of African... 2nd July, 2009
Department of Pharmacology, University of Texas Southwestern Medical- Eukaryot Cell. 2009
May;8(5):747-55. Epub 2009 Mar 20. ([DOI Direct Link](#))

Adenosylmethionine Decarboxylase Patents:



- 7122373- [Human genes and gene expression products V](#)
- 7261878- [Reduction of hair growth](#)
- 7267937- [Facile diagnosis and monitoring of pneumocystis carinii infection](#)
- 7273888- [Use of difluoromethylornithine \(DFMO\) for the treatment of amyotrophic lateral sclerosis](#)

- [7279502- Polyamine analog conjugates and quinone conjugates as therapies for cancers and prostate diseases](#)
- [7282355- Nucleic acid detection method](#)
- [7312244- Polyamine analog-amino acid conjugates useful as anticancer agents](#)
- [7321830- Identifying drugs for and diagnosis of benign prostatic hyperplasia using gene expression profiles](#)
- [7338665- Methods compositions and devices utilizing stinging cells/capsules for delivering a therapeutic or a cosmetic agent into a tissue](#)
- [7345192- Reduction of hair growth](#)
- [7354718- Molecular dissection method using trans-splicing to designed spliced leader sequences, genes, and constructs thereof](#)
- [7253207- Quinones as disease therapies](#)
- [7250496- Bioinformatically detectable group of novel regulatory genes and uses thereof](#)
- [7238861- Plant having improved tolerance to various environmental stresses, method of constructing the same and polyamine metabolism-relating enzyme gene](#)
- [7160921- Reduction of hair growth](#)
- [7160923- Polyamine analogues as therapeutic and diagnostic agents](#)
- [7171311- Methods of assigning treatment to breast cancer patients](#)
- [7175679- Oligopeptide treatment of NF-.kappa.B mediated inflammation](#)
- [7186825- Conformationally restricted polyamine analogs as disease therapies](#)
- [7198946- Screening for agents effective in decreasing abnormal macrophages associated with amyotrophic lateral sclerosis](#)
- [7208528- Polyamine analogues as therapeutic and diagnostic agents](#)
- [7211602- Treatment of neurodegenerative disorders through the modulation of the polyamine pathway](#)
- [7235358- Methods and compositions for diagnosing and monitoring transplant rejection](#)
- [7235695- Cycloalkyl substituted polyamines for cancer therapy and methods of synthesis therefor](#)
- [7371207- Estrogen receptor .alpha. regulated gene expression, related assays and therapeutics](#)
- [7374770- Topical composition for follicular delivery of an ornithine decarboxylase inhibitor](#)
- [7504222- Compositions, kits, and methods for identification, assessment, prevention, and therapy of breast cancer](#)
- [7514209- Diagnosis and prognosis of breast cancer patients](#)
- [7537896- Androgen-regulated PMEPA1 gene and polypeptides](#)
- [7550578- Rice promoters for regulation of plant expression](#)
- [7579146- Nucleic acid cloning](#)
- [7589257- Genes for enhancing nitrogen utilization efficiency in crop plants](#)
- [7598031- Method for the detection of gene transcripts in blood and uses thereof](#)
- [7608758- Plant system for comprehensive gene function analysis with the use of full-length cDNA](#)
- [7615221- Compositions and methods for treating cancer](#)
- [7615624- Arabidopsis derived promoters for regulation of plant expression](#)
- [7482132- Method for determining the activity of ornithine decarboxylase and for identifying effectors of ornithine decarboxylase activity](#)
- [7473526- Breast cancer prognostic portfolio](#)
- [7469185- Primary rat hepatocyte toxicity modeling](#)
- [7405345- Plant seed specific promoters](#)
- [7423182- Aminated polyamines](#)
- [7432302- Composition containing polyamine transport inhibitor and use thereof](#)
- [7439021- Nucleic acid cloning](#)
- [7439271- Reduction of hair growth](#)
- [7445892- Method of testing anticancer agent-sensitivity of tumor cells](#)
- [7446242- Plants with improved morphogenesis and method of constructing the same](#)
- [7447594- Molecular cardiotoxicology modeling](#)
- [7449568- Alga-origin promoter, intron and terminator](#)
- [7453011- Cycloalkyl substituted polyamines for cancer therapy and methods of synthesis therefor](#)

- 7618956- [Reduction of hair growth](#)

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