

Glycine Hydroxymethyltransferase

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- [SHMT1 and SHMT2 are functionally redundant in nuclear de novo thymidylate biosynthesis.](#)
*The three enzymes that constitute the de novo thymidylate synthesis...*18th November, 2009
Graduate Field of Biochemistry, Molecular and Cellular Biology, Cornell- PLoS One. 2009 Jun 9;4(6):e5839. ([DOI Direct Link](#))
- [Catalytic and ligand-binding characteristics of Plasmodium falciparum serine hydroxymethyltransferase.](#)
*The plant-like, bifunctional dihydrofolate reductase-thymidylate synthase...*17th October, 2009
Department of Chemistry, University of Washington, Seattle, WA 98195, USA.- Mol Biochem Parasitol. 2009 Nov;168(1):74-83. Epub 2009 Jul 8. ([DOI Direct Link](#))
- [Characterization of Plasmodium falciparum serine hydroxymethyltransferase-A potential antimalarial target.](#)
*Serine hydroxymethyltransferase (SHMT) is a ubiquitous enzyme required for...*17th October, 2009
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- [Genomic analysis of an attenuated Chlamydia abortus live vaccine strain reveals defects in central metabolism and surface proteins.](#)
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*The dual affinity of ribulose-1,5-bisphosphate carboxylase/oxygenase for...*17th July, 2009
Department of Biological Sciences, Dartmouth College, Hanover, New- Plant Cell. 2009 Feb;21(2):595-606. Epub 2009 Feb 17. ([DOI Direct Link](#))
- [Association analysis of glycine- and serine-related genes in a Japanese population of patients with schizophrenia.](#)

- Differences in the levels of the glutamate-related amino acids glycine and...* 17th June, 2009
Juntendo University Schizophrenia Projects (JUSP), Department of- Prog Neuropsychopharmacol Biol Psychiatry. 2009 Apr 30;33(3):511-8. Epub ([DOI Direct Link](#))
- [Mutations in three distinct loci cause resistance to peptide deformylase inhibitors in *Bacillus subtilis*.](#)
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 - [A mathematical model gives insights into the effects of vitamin B-6 deficiency on 1-carbon and glutathione metabolism.](#)
We experimented with a mathematical model for 1-carbon metabolism and... 11th April, 2009
Department of Biology, Duke University, Durham, NC 27708, USA.- J Nutr. 2009 Apr;139(4):784-91. Epub 2009 Feb 25. ([DOI Direct Link](#))
 - [The serine hydroxymethyltransferase gene *glyA* in *Corynebacterium glutamicum* is controlled by *GlyR*.](#)
Serine hydroxymethyltransferase (SHMT) occupies a central position in... 7th April, 2009
Institut fur Biotechnologie 1, Forschungszentrum Julich, Julich, Germany.- J Biotechnol. 2009 Feb 5;139(3):214-21. Epub 2008 Dec 16. ([DOI Direct Link](#))
 - [Branch-point stoichiometry can generate weak links in metabolism: the case of glycine biosynthesis.](#)
Although the metabolic network permits conversion between almost any pair... 3rd April, 2009
Instituto del Metabolismo Celular, Carretera Vecinal de El Sauzal, n 160- J Biosci. 2008 Dec;33(5):771-80.
 - [Structural and functional studies of *Bacillus stearothermophilus* serine hydroxymethyltransferase: the role of Asn\(341\), Tyr\(60\) and Phe\(351\) in tetrahydrofolate binding.](#)
SHMT (serine hydroxymethyltransferase), a type I pyridoxal... 17th March, 2009
Department of Biochemistry, Indian Institute of Science, Bangalore, India.- Biochem J. 2009 Mar 15;418(3):635-42. ([DOI Direct Link](#))
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 - [Enhanced synthesis of L-threo-3,4-dihydroxyphenylserine by high-density whole-cell biocatalyst of recombinant L-threonine aldolase from *Streptomyces avelmitilis*.](#)
L-threo-3,4-Dihydroxyphenylserine (DOPS) is a chiral unnatural... 28th February, 2009
Department of Food Science and Human Nutrition, Chonbuk National- Biotechnol Lett. 2009 Mar;31(3):443-8. Epub 2008 Nov 28. ([DOI Direct Link](#))

BioNews Results for Glycine Hydroxymethyltransferase

- [Glycine betaine and its use](#)
PharmCast: Nov 10 2009 4:44AM Matching: glycine
- [Glycine Receptors in the Nucleus Accumbens Involved in the Ethanol Intake-Reducing Effect of Acamprosate](#)
MDLinx: Oct 29 2009 12:27PM Matching: glycine
- [Enzyme Research: Research from Johnson & Johnson provides new data on enzyme research](#)
NewsRX: Oct 27 2009 4:35AM Matching: glycine



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- 6410498- [Laundry detergent and/or fabric care compositions comprising a modified transferase](#)
- 6436657- [Polynucleotides encoding aminomethyltransferases](#)
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