

Sugar Alcohol Dehydrogenases

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Recent Publications on Sugar Alcohol Dehydrogenases:



- [Characterisation of a recombinant NADP-dependent glycerol dehydrogenase from *Gluconobacter oxydans* and its application in the production of L-glyceraldehyde.](#)
*The acetic acid bacterium *Gluconobacter oxydans* has a high potential for...*5th November, 2009
Evocatal GmbH, Merowingerplatz 1 A, 40225 Dusseldorf, Germany.- *Chembiochem.* 2009 Jul 20;10(11):1888-96. ([DOI Direct Link](#))
- [Elimination of by-product formation during production of 1,3-propanediol in *Klebsiella pneumoniae* by inactivation of glycerol oxidative pathway.](#)
*The microbial production of 1,3-propanediol (1,3-PD) by *Klebsiella*...*29th October, 2009
Molecular Bioprocess Research Center, Jeonbuk Branch Institute, KRIBB,- *Appl Microbiol Biotechnol.* 2009 Sep;84(3):527-34. Epub 2009 Apr 8. ([DOI Direct Link](#))
- [Crystallization and preliminary X-ray characterization of a glycerol dehydrogenase from the human pathogen *Salmonella enterica* serovar Typhimurium.](#)
*Glycerol dehydrogenase (GldA) encoded by the STM4108 gene (gldA) has been...*6th October, 2009
Instituto de Tecnologia Quimica e Biologica, Universidade Nova de Lisboa,- *Acta Crystallogr Sect F Struct Biol Cryst Commun.* 2009 Jul 1;65(Pt ([DOI Direct Link](#)))
- [\[Progress in the studies of human epididymal secretive proteins\]](#)
*There are over 200 secretive proteins in the epididymis. Spermatozoa are...*2nd October, 2009
Department of Urology, The First Affiliated Hospital of Nanjing Medical- *Zhonghua Nan Ke Xue.* 2009 Jul;15(7):646-50.
- [Tentative identification of glycerol dehydrogenase as *Escherichia coli* K1 virulence factor cgID and its involvement in the pathogenesis of experimental neonatal meningitis.](#)
*Escherichia coli (E. coli) is the most common gram-negative organism...*16th September, 2009
Department of Developmental Biology, Key Laboratory of Cell Biology,- *Med Microbiol Immunol.* 2009 Aug;198(3):195-204. Epub 2009 Jul 14. ([DOI Direct Link](#))
- [A single amino acid change \(Y318F\) in the L-arabitol dehydrogenase \(LadA\) from *Aspergillus niger* results in a significant increase in affinity for D-sorbitol.](#)
*BACKGROUND: L-arabitol dehydrogenase (LAD) and xylitol dehydrogenase (XDH)...*15th September, 2009
Department of Crystal and Structural Chemistry, Utrecht University,- *BMC Microbiol.* 2009 Aug 12;9:166. ([DOI Direct Link](#))
- [Gene silencing of mannose 6-phosphate reductase in the parasitic weed *Orobanche aegyptiaca* through the production of homologous dsRNA sequences in the host plant.](#)
*Orobanche spp. (broomrape) are parasitic plants which subsist on the roots...*3rd September, 2009

Department of Plant Pathology and Weed Research, ARO, The Volcani Center,- Plant Biotechnol J. 2009 Aug;7(6):487-98. Epub 2009 May 21. ([DOI Direct Link](#))

- [Screening of thermotolerant Gluconobacter strains for production of 5-keto-D-gluconic acid and disruption of flavin adenine dinucleotide-containing D-gluconate dehydrogenase.](#)
*We isolated thermotolerant Gluconobacter strains that are able to produce...*12th August, 2009
Department of Bioscience and Biotechnology, University of the Ryukyus,- Appl Environ Microbiol. 2009 Jul;75(13):4240-7. Epub 2009 May 1. ([DOI Direct Link](#))
- [Structure/function analysis of a critical disulfide bond in the active site of L-xylulose reductase.](#)
*L-xylulose reductase (XR) is involved in water re-absorption and cellular...*16th July, 2009
Medicinal Chemistry and Drug Action, Monash Institute of Pharmaceutical- Cell Mol Life Sci. 2009 May;66(9):1570-9. ([DOI Direct Link](#))
- [Microbial production of xylitol from L-arabinose by metabolically engineered Escherichia coli.](#)
*An Escherichia coli strain, ZUC99(pATX210), which can produce xylitol from...*10th July, 2009
Fermentation Biotechnology Research Unit, National Center for Agricultural- J Biosci Bioeng. 2009 May;107(5):506-11. ([DOI Direct Link](#))
- [Purification, crystallization and preliminary X-ray analysis of L-sorbose reductase from Gluconobacter frateurii complexed with L-sorbose or NADPH.](#)
*NADPH-dependent L-sorbose reductase (SR) from Gluconobacter frateurii was...*25th June, 2009
Department of Applied Biological Chemistry, Graduate School of- Acta Crystallogr Sect F Struct Biol Cryst Commun. 2009 Jun 1;65(Pt ([DOI Direct Link](#)))
- [Regulation of glycerol metabolism in Enterobacter aerogenes NBRC12010 under electrochemical conditions.](#)
*Enterobacter aerogenes NBRC12010 was able to ferment glycerol to ethanol...*24th June, 2009
Biomass Technology Research Center, National Institute of Advanced- Appl Microbiol Biotechnol. 2009 Jun;83(4):749-56. Epub 2009 Apr 8. ([DOI Direct Link](#))
- [The role of bias in crystallization conditions in automated microseeding.](#)
*The automated microseeding protocol previously proposed by D'Arcy et al....*23rd June, 2009
Department of Pharmaceutical Sciences, University of Maryland School of- Acta Crystallogr D Biol Crystallogr. 2008 Dec;64(Pt 12):1222-7. Epub 2008 ([DOI Direct Link](#))
- [Identification of clinically relevant nonhemolytic Streptococci on the basis of sequence analysis of 16S-23S intergenic spacer region and partial gdh gene.](#)
*Nonhemolytic streptococci (NHS) cause serious infections, such as...*25th April, 2009
Department of Bacteriology, Mycology and Parasitology, Statens Serum- J Clin Microbiol. 2009 Apr;47(4):932-9. Epub 2009 Feb 4. ([DOI Direct Link](#))
- [Characterization of the dTDP-D-fucofuranose biosynthetic pathway in Escherichia coli O52.](#)
*D-fucofuranose (D-Fucf) is a component of Escherichia coli O52 O antigen....*29th January, 2009
TEDA School of Biological Sciences and Biotechnology, Nankai University,- Mol Microbiol. 2008 Dec;70(6):1358-67. Epub 2008 Oct 30. ([DOI Direct Link](#))

BioNews Results for Sugar Alcohol Dehydrogenases

- [Healthy lifestyle crucial for colorectal cancer prevention](#)
Windsor Star: Nov 12 2009 9:57PM Matching: sugar alcohol
- [Healthy lifestyle crucial for colorectal cancer prevention](#)
Canada.com: Nov 12 2009 8:57PM Matching: sugar alcohol
- [Study Links Yo-Yo Dieting to Addiction](#)
KSLA: Nov 12 2009 8:40PM Matching: sugar alcohol
- [Can your diet prevent breast cancer?](#)
The Province: Nov 11 2009 1:34AM Matching: sugar alcohol

- [Dieters Can Experience Neurobiological Similarities Of Drug Addicts And Alcoholics](#)
Medical News Today: Nov 11 2009 12:45PM Matching: sugar alcohol
- [BUSM researchers show dieters can experience neurobiological similarities of drug addicts](#)
EurekAlert!: Nov 10 2009 12:48AM Matching: sugar alcohol
- [Researchers show dieters can experience neurobiological similarities of drug addicts](#)
PhysOrg.com: Nov 9 2009 11:44PM Matching: sugar alcohol
- [Scripps team shows diet switching can activate brain's stress system, lead to 'withdrawal' symptoms](#)
EurekAlert!: Nov 10 2009 12:46AM Matching: sugar alcohol
- [Genomes of Biofuel Yeasts Reveal Clues that Could Boost Fuel Ethanol Production Worldwide](#)
Food Ingredients First: Nov 9 2009 12:04PM Matching: sugar alcohol
- [Genomes Of Biofuel Yeasts Reveal Clues That Could Boost Fuel Ethanol Production Worldwide](#)
MediLexicon: Nov 9 2009 12:42AM Matching: sugar alcohol
- [BUSM researchers show dieters can experience neurobiological similarities of drug addicts](#)
Genetic Engineering News: Nov 9 2009 9:21PM Matching: sugar alcohol
- [Scripps team shows diet switching can activate brain's stress system, lead to 'withdrawal' symptoms](#)
Genetic Engineering News: Nov 9 2009 11:20PM Matching: sugar alcohol
- [Medical News: Genomes Of Biofuel Yeasts Reveal Clues That Could Boost Fuel Ethanol Production Worldwide](#)
BioFind: Nov 8 2009 12:43PM Matching: sugar alcohol
- [Medical News: Genomes Of Biofuel Yeasts Reveal Clues That Could Boost Fuel Ethanol Production Worldwide](#)
BioFind: Nov 8 2009 12:43PM Matching: sugar alcohol
- [Genomes Of Biofuel Yeasts Reveal Clues That Could Boost Fuel Ethanol Production Worldwide](#)
Medical News Today: Nov 8 2009 9:06AM Matching: sugar alcohol

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