

Tyrosine Decarboxylase

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Recent Publications on Tyrosine Decarboxylase:



- [Isoform- and cell-specific function of tyrosine decarboxylase in the Drosophila Malpighian tubule.](#)
*The biogenic amine tyramine (TA) is a potent diuretic factor when applied...*17th November, 2009
Department of Biological Sciences, Marquette University, P.O. Box 1881,- J Exp Biol. 2009 Dec;212(Pt 23):3802-9. ([DOI Direct Link](#))
- [Isolation and genotype-dependent, organ-specific expression analysis of a Rhodiola rosea cDNA encoding tyrosine decarboxylase.](#)
*Tyrosine decarboxylase (TyrDC) is an important enzyme in the secondary...*3rd November, 2009
Department of Process and Environmental Engineering, University of Oulu,- J Plant Physiol. 2009 Sep 15;166(14):1581-6. Epub 2009 May 31. ([DOI Direct Link](#))
- [First evidence of a membrane-bound, tyramine and beta-phenylethylamine producing, tyrosine decarboxylase in Enterococcus faecalis: a two-dimensional electrophoresis proteomic study.](#)
*The soluble and membrane proteome of a tyramine producing Enterococcus...*27th August, 2009
Dipartimento di Biologia Animale e dell'Uomo, University of Torino, Via- Proteomics. 2009 May;9(10):2695-710. ([DOI Direct Link](#))
- [Characterization and safety evaluation of enterococci isolated from Spanish goats' milk cheeses.](#)
*Enterococci are common constituents of dairy products such as cheese, in...*21st August, 2009
Departamento de Microbiologia, Facultad de Ciencias, Universidad de- Int J Food Microbiol. 2009 Jun 1;132(1):24-32. Epub 2009 Mar 27. ([DOI Direct Link](#))
- [Endosperm-specific expression of tyramine N-hydroxycinnamoyltransferase and tyrosine decarboxylase from a single self-processing polypeptide produces high levels of tyramine derivatives in rice seeds.](#)
*The plant-specific tyramine derivatives, feruloyltyramine (FT) and...*31st July, 2009
Department of Biotechnology, Interdisciplinary Program for Bioenergy and- Biotechnol Lett. 2009 Jun;31(6):911-5. Epub 2009 Feb 20. ([DOI Direct Link](#))
- [Biogenic amine production by Oenococcus oeni isolates from malolactic fermentation of Tempranillo wine.](#)
*In this article, we examine the production of biogenic amines, histamine,...*15th July, 2009
Instituto de la Vid y del Vino de Castilla-La Mancha, Crta.- J Food Prot. 2009 Apr;72(4):907-10.
- [Gene expression and characterization of a stress-induced tyrosine decarboxylase from Arabidopsis thaliana.](#)
*Full-length tyrosine decarboxylase cDNA (TyrDC) from Arabidopsis thaliana...*3rd July, 2009
Department of Plant Physiology, Ruhr-University Bochum, Bochum, Germany.- FEBS Lett. 2009 Jun 18;583(12):1895-900. Epub 2009 May 18. ([DOI Direct Link](#))
- [Biotransformation of L-tyrosine to tyramine by the growing cells of Lactococcus lactis.](#)

*The potential of pyridoxal-5-phosphate dependent tyrosine decarboxylase...*26th June, 2009
Department of Biotechnology, Himachal Pradesh University, Summer Hill,- Acta Microbiol Immunol Hung. 2009 Mar;56(1):101-14. ([DOI Direct Link](#))

- [A map of octopaminergic neurons in the Drosophila brain.](#)

*The biogenic amine octopamine modulates diverse behaviors in...*28th April, 2009
Lehrstuhl für Genetik und Neurobiologie, Universität Würzburg, Germany.- J Comp Neurol. 2009 Apr 20;513(6):643-67. ([DOI Direct Link](#))

- [Effects of 20-hydroxyecdysone and juvenile hormone on octopamine metabolism in females of Drosophila.](#)

*The effect of exogenous 20-hydroxyecdysone (20E) and juvenile hormone (JH)...*22nd April, 2009
Institute of Cytology and Genetics, Siberian Division of Russian Academy- Arch Insect Biochem Physiol. 2009 Apr;70(4):244-53. ([DOI Direct Link](#))

- [Evidence of horizontal transfer as origin of strain to strain variation of the tyramine production trait in Lactobacillus brevis.](#)

*Lactobacillus brevis strains with the ability to decarboxylate tyrosine to...*7th March, 2009
ADRIA Normandie, Boulevard du 13 juin 1944, 14310 Villers-Bocage, France.- Food Microbiol. 2009 Feb;26(1):52-7. Epub 2008 Aug 22. ([DOI Direct Link](#))

- [Gonadotropins affect tyrosine decarboxylase activity in Drosophila virilis.](#)

*Lactobacillus brevis strains with the ability to decarboxylate tyrosine to...*17th December, 2008
Institute of Cytology and Genetics, Siberian Branch, Russian Academy of- Dokl Biochem Biophys. 2008 Jul-Aug;421:165-7.

- [Octopamine regulates sleep in drosophila through protein kinase A-dependent mechanisms.](#)

*Sleep is a fundamental process, but its regulation and function are still...*23rd October, 2008
Department of Neuroscience, Howard Hughes Medical Institute, University of- J Neurosci. 2008 Sep 17;28(38):9377-85. ([DOI Direct Link](#))

- [Neuroarchitecture of aminergic systems in the larval ventral ganglion of Drosophila melanogaster.](#)

*Biogenic amines are important signaling molecules in the central nervous...*9th August, 2008
Emmy Noether Neuropeptide Group, Animal Physiology, Department of Biology,- PLoS One. 2008 Mar 26;3(3):e1848. ([DOI Direct Link](#))

- [Modeling the aminogenic potential of Enterococcus faecalis EF37 in dry fermented sausages through chemical and molecular approaches.](#)

*Amino acid decarboxylase activity of the Enterococcus faecalis strain EF37...*20th May, 2008
Institute for Food and Agricultural Research and Technology, Food- Appl Environ Microbiol. 2008 May;74(9):2740-50. Epub 2008 Feb 22. ([DOI Direct Link](#))

Tyrosine Decarboxylase Patents:



- 3944470- [Stabilization and enhancement of enzymatic activity](#)
- 4970156- [Immobilization of active protein by cross-linking to inactive protein](#)
- 4975375- [Biocatalyst immobilization with a reversibly swelling and shrinking polymer](#)
- 5057430- [Biochemical sensor responsive to bubbles](#)
- 5397700- [Method of producing products with a bilayer pellet containing a coimmobilized enzyme system that maintains a ph difference](#)
- 5563126- [Method for treatment and prevention of deficiencies of vitamins B.sub.12, folic acid, and](#)

[B.sub.6](#)

- 5567581- [Method and kit for enzymatically determining the pH of a specimen](#)
- 5595867- [Method and kit for enzymatically determining the pH of a specimen](#)
- 5731175- [Method of producing \(R\)-2-amino-1-phenylethanol and optically active phenylserine and their halogen substituted products using microbes](#)
- 5795873- [Method for treatment and prevention of deficiencies of vitamins B.sub.12, folic acid and B.sub.6](#)
- 4812396- [Method for detecting enzymatic activity using particle agglutination](#)
- 4764467- [Preparation of an insoluble biocatalyst](#)
- 4004979- [Preparation of active proteins cross-linked to inactive proteins](#)
- 4011169- [Stabilization and enhancement of enzymatic activity](#)
- 4225410- [Integrated array of electrochemical sensors](#)
- 4389415- [Method of treating hypertension](#)
- 4464468- [Immobilization of active protein by cross-linking to inactive protein](#)
- 4465776- [Monoclonal antibodies to vitamin B.sub.6 and immunoassay method](#)
- 4478976- [Water-insoluble protein material, its preparation and its use](#)
- 4596771- [Monoclonal antibodies to vitamin B-6 and immunossay method](#)
- 4661510- [.alpha.-allenic-.alpha.-amino acids as enzyme inhibitors](#)
- 5814520- [Tryptamine producing tryptophan decarboxylase gene of plant origin](#)
- 5846792- [Method of producing \(R\)-2-amino-1-phenylethanol and opticaly active phenylserine and their halogen substituted products using tyrosine decarboxylase](#)
- 6652920- [Method for meniscuscoating a substrate with a polymeric precursor](#)
- 6835540- [Biosynthetic pathway transcription factors](#)
- 6911336- [GNK interacting amino acid decarboxylase and methods of use thereof](#)
- 7052913- [Matrices for drug delivery and methods for making and using the same](#)
- 7060458- [Nucleic acid and amino acid sequences relating to Staphylococcus epidermidis for diagnostics and therapeutics](#)
- 7109033- [Stress-regulated genes of plants, transgenic plants containing same, and methods of use](#)
- 7304209- [Herbicide-tolerant plants through bypassing metabolic pathway](#)
- 7312376- [Regulatory regions from Papaveraceae](#)
- 7473820- [Flax \(Linum usitatissimum L.\) seed-specific promoters](#)
- 6586173- [Methods for the detection of amino acid decarboxylases](#)
- 6497921- [Method for meniscus coating with liquid carbon dioxide](#)
- 5874613- [3-\(3-chlorophenyl\) serine](#)
- 6015698- [Method of producing D-amino acid and method of producing amine](#)
- 6165500- [Preparation for the application of agents in mini-droplets](#)
- 6177417- [Cholanic acid ring based 4-\(trifluoroacetyl\)phenyl derivatives, process for preparation and use thereof](#)
- 6207651- [Method for treatment and prevention of deficiencies of vitamins B12, folic acid, and B6](#)
- 6297055- [Amino acid decarboxylases](#)
- 6297224- [Method for treatment, preventing and reduction of elevated serum metabolite levels](#)
- 6395299- [Matrices for drug delivery and methods for making and using the same](#)
- 6426194- [Homogeneous enzymatic assay for vitamin B6 and improvements in H2S detection](#)
- 7608450- [Nucleic acid and amino acid sequences relating to Staphylococcus epidermidis for diagnostics and therapeutics](#)

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