

## Isomerases Ec 5

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### Recent Publications on Isomerases Ec 5:

- [Analysis of Amaryllidaceae alkaloids from Crinum by high-performance liquid chromatography coupled with electrospray ionization tandem mass spectrometry.](#)  
*A high-performance liquid chromatography/electrospray ionization...*21st October, 2009  
Department of Natural Medicinal Chemistry, School of Pharmacy, Second- Rapid Commun Mass Spectrom. 2009 Sep;23(18):2903-16. ([DOI Direct Link](#))
- [Peroxisomal and mitochondrial status of two murine oligodendrocytic cell lines \(158N, 158JP\): potential models for the study of peroxisomal disorders associated with dysmyelination processes.](#)  
*In some neurodegenerative disorders (leukodystrophies) characterized by...*10th October, 2009  
Centre de Recherche INSERM, Dijon, France.- J Neurochem. 2009 Oct;111(1):119-31. Epub 2009 Jul 29. ([DOI Direct Link](#))
- [Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of the small subunit of isopropylmalate isomerase \(Rv2987c\) from Mycobacterium tuberculosis.](#)  
*Two C-terminally truncated variants of the small subunit of Mycobacterium...*1st October, 2009  
EMBL Hamburg Outstation, c/o DESY, Notkestrasse 85, D-22603 Hamburg,- Acta Crystallogr Sect F Struct Biol Cryst Commun. 2009 Feb 1;65(Pt ([DOI Direct Link](#)))
- [Arabidopsis thaliana encodes a bacterial-type heterodimeric isopropylmalate isomerase involved in both Leu biosynthesis and the Met chain elongation pathway of glucosinolate formation.](#)  
*The last steps of the Leu biosynthetic pathway and the Met chain...*26th September, 2009  
Institut Molekulare Botanik, Universitat Ulm, Albert-Einstein-Allee 11,- Plant Mol Biol. 2009 Oct;71(3):227-39. Epub 2009 Jul 14. ([DOI Direct Link](#))
- [Production of taxa-4\(5\),11\(12\)-diene by transgenic Physcomitrella patens.](#)  
*Taxadiene synthase gene from Taxus brevifolia was constitutively expressed...*3rd September, 2009  
Department of Plant Biology, Southern Illinois University, Carbondale, IL- Transgenic Res. 2009 Aug;18(4):655-60. Epub 2009 Feb 25. ([DOI Direct Link](#))
- [Omics-based approaches to methionine side chain elongation in Arabidopsis: characterization of the genes encoding methylthioalkylmalate isomerase and methylthioalkylmalate dehydrogenase.](#)  
*Glucosinolates (GSLs) are secondary metabolites in Brassicaceae plants...*22nd August, 2009  
RIKEN Plant Science Center, Yokohama, Kanagawa, Japan.- Plant Cell Physiol. 2009 Jul;50(7):1181-90. Epub 2009 Jun 3. ([DOI Direct Link](#))
- [Red cell glycolytic enzyme disorders caused by mutations: an update.](#)  
*Glycolysis is one of the principle pathways of ATP generation in cells and...*21st August, 2009  
Departament de Ciencies Fisiologiques I, Unitat de Bioquimica, Institut- Cardiovasc Hematol Disord Drug Targets. 2009 Jun;9(2):95-106.

- [Crystal structure of \(+\)-delta-cadinene synthase from \*Gossypium arboreum\* and evolutionary divergence of metal binding motifs for catalysis.](#)  
*(+)-Delta-cadinene synthase (DCS) from *Gossypium arboreum* (tree cotton) is...*14th August, 2009  
Roy and Diana Vagelos Laboratories, Department of Chemistry, University of- Biochemistry. 2009 Jul 7;48(26):6175-83. ([DOI Direct Link](#))
- [Studies on substrate specificity and activity regulating factors of trehalose-6-phosphate synthase of \*Saccharomyces cerevisiae\*.](#)  
*Purified trehalose-6-phosphate synthase (TPS) of *Saccharomyces cerevisiae*...*16th July, 2009  
Biotechnology Division, Indian Institute of Chemical Biology, Kolkata 700- Biochim Biophys Acta. 2009 May;1790(5):368-74. Epub 2009 Mar 14. ([DOI Direct Link](#))
- [Functional characterization of the trigger factor protein PceT of tetrachloroethene-dechlorinating \*Desulfitobacterium hafniense\* Y51.](#)  
**Desulfitobacterium hafniense* strain Y51 dechlorinates tetrachloroethene to...*24th June, 2009  
Department of Bioscience and Biotechnology, Kyushu University, Fukuoka,- Appl Microbiol Biotechnol. 2009 Jun;83(4):775-81. Epub 2009 Apr 4. ([DOI Direct Link](#))
- [Investigating the conservation pattern of a putative second terpene synthase divalent metal binding motif in plants.](#)  
*Terpene synthases (TPS) require divalent metal ion co-factors, typically...*10th June, 2009  
Department of Biochemistry, Biophysics, and Molecular Biology, Iowa State- Phytochemistry. 2009 Feb;70(3):366-9. Epub 2009 Feb 7. ([DOI Direct Link](#))
- [Phycourobilin in trichromatic phycocyanin from oceanic cyanobacteria is formed post-translationally by a phycoerythrobilin lyase-isomerase.](#)  
*Most cyanobacteria harvest light with large antenna complexes called...*2nd June, 2009  
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- [Critical role of substrate conformational change in the proton transfer process catalyzed by 4-oxalocrotonate tautomerase.](#)  
*4-Oxalocrotonate tautomerase enzyme (4-OT) catalyzes the isomerization of...*19th May, 2009  
Departament de Quimica Fisica, Universitat de Valencia, Valencia 46100,- J Am Chem Soc. 2009 Feb 25;131(7):2687-98. ([DOI Direct Link](#))
- [\[Peroxisomal D-bifunctional enzyme deficiency. A case report\]](#)  
*Newborn was referred with diagnosis of neonatal epilepsy. Medical team...*25th April, 2009  
Hospital General, Centro Medico Nacional La Raza, Mexico.- Rev Med Inst Mex Seguro Soc. 2008 Jul-Aug;46(4):445-8.
- [6- and 14-Fluoro farnesyl diphosphate: mechanistic probes for the reaction catalysed by aristolochene synthase.](#)  
*The catalytic mechanism of the enzyme aristolochene synthase from...*14th April, 2009  
School of Chemistry, Cardiff University, Main Building, Park Place,- Org Biomol Chem. 2009 Mar 7;7(5):962-75. Epub 2009 Jan 20. ([DOI Direct Link](#))

## BioNews Results for Isomerases Ec 5

- [Investigating A Causal Link Between Gut Bacteria and Breast Cancer](#)  
*World Health Network: Nov 7 2009 1:27PM Matching: ec 5*
- [Role of Gut Bacteria in Disease Risk](#)  
*EndoNurse: Oct 29 2009 5:53PM Matching: ec 5*
- [New Study to Explore Gut Health and Disease](#)  
*Nutraceuticals World: Oct 29 2009 10:07PM Matching: ec 5*
- [Gastroenterologists Explore Relationship Between Bacteria In The Gut And Breast Cancer](#)

- Medical News Today: Oct 29 2009 10:53AM Matching: ec 5*
- [Researchers to study how microbial imbalances impact breast cancer](#)  
*News-Medical.Net: Oct 29 2009 5:55AM Matching: ec 5*
- [Gastroenterologists explore relationship between bacteria in the gut and breast cancer](#)  
*EurekAlert!: Oct 28 2009 4:22PM Matching: ec 5*
- [U.S. Department of Defense funds Rush University Medical Center for gastrointestinal microorganism research](#)  
*News-Medical.Net: Oct 28 2009 4:12PM Matching: ec 5*
- [U.S. Department of Defense funds Rush University Medical Center for gastrointestinal microorganism research](#)  
*News-Medical.Net: Oct 28 2009 4:12PM Matching: ec 5*
- [Exploring the Link between Bacteria in the Gut and Breast Cancer](#)  
*Newswise: Oct 28 2009 4:12PM Matching: ec 5*
- [Gastroenterologists explore relationship between bacteria in the gut and breast cancer](#)  
*Genetic Engineering News: Oct 28 2009 3:55PM Matching: ec 5*
- [Don't Let Anxiety Keep You From Visiting the Dentist](#)  
*Ahip Hi-Wire: Oct 22 2009 12:02PM Matching: ec 5*
- [Medical News: Med-Vet-Net Report Showcases 5 Years Of Research](#)  
*Medical News Today: Oct 16 2009 5:35PM Matching: ec 5*
- [Systemic overexpression of IFN- \$\gamma\$  and IL-5 exacerbates early phase reaction and conjunctival eosinophilia, respectively, in experimental allergic conjunctivitis](#)  
*British Journal of Ophthalmology: Oct 14 2009 11:34PM Matching: ec 5*
- [BioTech Medics, Inc. Negotiating SHBAN\(TM\) Non-Alcohol Hand Sanitizer Brazil Distribution Agreement](#)  
*NewsBlaze: Oct 14 2009 3:25AM Matching: ec 5*
- [BioTech Medics, Inc. \(BTMD\) Negotiating SHBAN\(TM\) Non-Alcohol Hand Sanitizer Brazil Distribution Agreement](#)  
*BioSpace: Oct 14 2009 12:38AM Matching: ec 5*

## Isomerases Ec 5 Patents:



- 7521204- [Bacillus host cell](#)
- 6602843- [Enzyme containing granule](#)
- 6589929- [Enzyme-containing granules and process for the production thereof](#)
- 6426189- [Cellulose films for screening](#)
- 6403549- [Enzyme-containing granules and process for the production thereof](#)
- 6348442- [Enzyme containing granule](#)
- 6342261- [Method of preserving foods using noble gases](#)
- 6268329- [Enzyme containing granule](#)
- 6136772- [Enzyme-containing granules and process for the production thereof](#)
- 6613528- [Cellulose films for screening](#)
- 6617026- [Particles containing active in visco-elastic liquids](#)
- 6673763- [Particles for liquid compositions](#)
- 7425528- [Stabilization of granules](#)

- 7419947- [Process for preparing granules with filamentous coatings](#)
- 7273736- [Method for preparing an enzyme containing granule](#)
- 7114392- [Method of analyzing granular composition by acoustic emission](#)
- 7070820- [Coated particles containing an active](#)
- 7067252- [Method for genome mining for secreted protein genes](#)
- 6933141- [Enzyme granulate](#)
- 6924133- [Spray dried enzyme product](#)
- 6087148- [Method of purification of cellulose from a broth solution by crystallization](#)

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