

## Carboxy-Lyases

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### Recent Publications on Carboxy-Lyases:

- [A previously unidentified sigma factor and two accessory proteins regulate oxalate decarboxylase expression in \*Bacillus subtilis\*.](#)  
*We have investigated the function of a cell envelope stress-inducible...*25th September, 2008  
Department of Microbiology, Cornell University, Ithaca, NY 14853, USA.- *Mol Microbiol.* 2008 Aug;69(4):954-67. Epub 2008 Jun 28. ([DOI Direct Link](#))
- [Prolonged exposure to palmitate impairs fatty acid oxidation despite activation of AMP-activated protein kinase in skeletal muscle cells.](#)  
*The aim of this study was to investigate the chronic effects of palmitate...*16th September, 2008  
School of Kinesiology and Health Science, York University, Toronto,- *J Cell Physiol.* 2008 Nov;217(2):478-85. ([DOI Direct Link](#))
- [Enhancement of gene expression by a peptide p\(CHWPR\) produced by \*Bifidobacterium lactis\* BB-12.](#)  
*Recently, probiotics, including Bifidobacterium, Lactobacillus, and...*13th September, 2008  
Department of Medical Technology, School of Health Science, Faculty of- *Microbiol Immunol.* 2008 Mar;52(3):144-55. ([DOI Direct Link](#))
- [Dysregulation of the host mevalonate pathway during early bacterial infection activates human TCR gamma delta cells.](#)  
*Primates, but not rodents, have T cell receptor Vgamma9-Vdelta2 T cells...*10th September, 2008  
Experimental Immunology, Department of Biomedicine, University Hospital- *Eur J Immunol.* 2008 Aug;38(8):2200-9. ([DOI Direct Link](#))
- [The catalytic intermediate stabilized by a "down" active site loop for diaminopimelate decarboxylase from \*Helicobacter pylori\*. Enzymatic characterization with crystal structure analysis.](#)  
*The meso-diaminopimelate decarboxylase (DAPDC, EC 4.1.1.20) catalyzes the...*9th September, 2008  
Drug Discovery and Design Center, State Key Laboratory of Drug Research,- *J Biol Chem.* 2008 Jul 25;283(30):21284-93. Epub 2008 May 28. ([DOI Direct Link](#))
- [Inactive S298R disassembles the dodecameric L-aspartate 4-decarboxylase into dimers.](#)  
*L-Aspartate 4-decarboxylase catalyzes the conversion of aspartate to...*30th August, 2008  
Department of Agricultural Chemistry, National Taiwan University, 1,- *Biochem Biophys Res Commun.* 2008 Sep 12;374(1):134-7. Epub 2008 Jul 3. ([DOI Direct Link](#))
- [Crystallization and preliminary X-ray analysis of the inducible lysine decarboxylase from \*Escherichia coli\*.](#)  
*The decameric inducible lysine decarboxylase (Ldcl) from Escherichia coli...*22nd August, 2008  
Department of Biochemistry, University of Toronto, 1 King's College- *Acta Crystallogr Sect F Struct Biol Cryst Commun.* 2008 Aug 1;64(Pt ([DOI Direct Link](#)))

- [Reduced heart size and increased myocardial fuel substrate oxidation in ACC2 mutant mice.](#)  
*The cardiac-enriched isoform of acetyl-CoA carboxylase (ACC2) is a key...*22nd August, 2008  
Department of Physiological Sciences, Stellenbosch University,- Am J Physiol Heart Circ Physiol. 2008 Jul;295(1):H256-65. Epub 2008 May ([DOI Direct Link](#))
- [Fatty acid oxidation and insulin action: when less is more.](#)  
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Sarah W. Stedman Nutrition and Metabolism Center, Department of- Diabetes. 2008 Jun;57(6):1455-6. ([DOI Direct Link](#))
- [Effect of biotin treatment on hepatic gene expression in streptozotocin-induced diabetic rats.](#)  
*Biotin functions as a coenzyme for four carboxylases involved in energy...*30th July, 2008  
Laboratory of Nutrition, Graduate School of Agricultural Science, Tohoku- Biosci Biotechnol Biochem. 2008 May;72(5):1290-8. Epub 2008 May 7.
- [Characterization of the p-coumaric acid decarboxylase from Lactobacillus plantarum CECT 748\(T\).](#)  
*It was previously reported that cell cultures from Lactobacillus plantarum...*22nd July, 2008  
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- [Structures of the N47A and E109Q mutant proteins of pyruvoyl-dependent arginine decarboxylase from Methanococcus jannaschii.](#)  
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Department of Chemistry and Chemical Biology, Cornell University, Ithaca,- Acta Crystallogr D Biol Crystallogr. 2008 Apr;64(Pt 4):377-82. Epub 2008 ([DOI Direct Link](#))
- [Uteroplacental insufficiency down regulates insulin receptor and affects expression of key enzymes of long-chain fatty acid \(LCFA\) metabolism in skeletal muscle at birth.](#)  
*BACKGROUND: Epidemiological studies have revealed a relationship between...*9th July, 2008  
Department of Public Health and Cell Biology, Tor Vergata University,- Cardiovasc Diabetol. 2008 May 18;7:14. ([DOI Direct Link](#))
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*Benzoylformate decarboxylase from Pseudomonas putida (PpBFDC) is a thiamin...*14th June, 2008  
College of Pharmacy, University of Michigan, 428 Church Street, Ann Arbor,- Proc Natl Acad Sci U S A. 2008 Apr 15;105(15):5733-8. Epub 2008 Apr 8. ([DOI Direct Link](#))
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## BioNews Results for Carboxy-Lyases

- [Interleukin-9 antagonist muteins and their pharmacological methods of use](#)  
*PharmCast: Sep 24 2008 4:08AM Matching: carboxy*

## Carboxy-Lyases Clinical Trials:



- [Effects of Recombinant Human Glutamic Acid Decarboxylase . . .](#)



## Carboxy-Lyases Patents:

- 7407791- [Production of secreted polypeptides](#)
- 4281061- [Double antibody for enhanced sensitivity in immunoassay](#)
- 4287300- [Charge effects in enzyme immunoassays](#)
- 4299916- [Preferential signal production on a surface in immunoassays](#)
- 4374925- [Macromolecular environment control in specific receptor assays](#)
- 4391904- [Test strip kits in immunoassays and compositions therein](#)
- 4501692- [Charge effects in enzyme immunoassays](#)
- 5508182- [Esterification of hydrophilic polyols by adsorption onto a solid support and employing a substrate-immiscible solvent](#)
- 5804400- [Electrochemiluminescent assay](#)
- 6291164- [Methods for preventing inhibition of nucleic acid synthesis by pyrophosphate](#)
- 6534292- [Methods for forming recombined nucleic acids](#)
- 6544792- [Production of secreted polypeptides](#)
- 6582914- [Method for generating a library of oligonucleotides comprising a controlled distribution of mutations](#)
- 6642027- [Production of secreted polypeptides](#)
- 7037726- [Methods for forming recombined nucleic acids](#)
- 7169989- [Process for creating a 3-dimensional configuration on a substrate](#)
- 7344835- [Methods for preventing inhibition of nucleic acid synthesis by pyrophosphate](#)
- 4275149- [Macromolecular environment control in specific receptor assays](#)

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