

Decarboxylation

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Decarboxylation is any chemical reaction in which a carboxyl group is split off from a compound as carbon dioxide .



Recent Publications on Decarboxylation:

- [Updated molecular knowledge about histamine biosynthesis by bacteria.](#)
*Histamine poisoning is caused by the ingestion of food containing high...*30th August, 2008
Departamento de Microbiologia, Instituto de Fermentaciones Industriales,- *Crit Rev Food Sci Nutr.* 2008 Sep;48(8):697-714. ([DOI Direct Link](#))
- [Selective A\(3\) adenosine receptor antagonists derived from nucleosides containing a bicyclo\[3.1.0\]hexane ring system.](#)
*We have prepared 5'-modified derivatives of adenosine and a corresponding...*30th August, 2008
Molecular Recognition Section, Laboratory of Bioorganic Chemistry,- *Bioorg Med Chem.* 2008 Aug 7. ([DOI Direct Link](#))
- [Biodegradation of microcystins and nodularin in freshwaters.](#)
*Microcystin-LR (MC-LR) was readily biodegraded on addition to six...*30th August, 2008
School of Pharmacy and Life Sciences, The Robert Gordon University, St.- *Chemosphere.* 2008 Aug 25. ([DOI Direct Link](#))
- [Agmatine is essential for the cell growth of *Thermococcus kodakaraensis*.](#)
*TK0149 (designated as Tk-PdaD) of a hyperthermophilic archaeon,...*16th August, 2008
Nanobiotechnology Research Center, Graduate School of Science and- *FEMS Microbiol Lett.* 2008 Aug 13. ([DOI Direct Link](#))
- [Palladium-Catalyzed Direct \(Hetero\)arylation of Ethyl Oxazole-4-carboxylate: An Efficient Access to \(Hetero\)aryloxazoles.](#)
*A straightforward route toward 2-(hetero)arylated and...*16th August, 2008
- *J Org Chem.* 2008 Aug 15. ([DOI Direct Link](#))
- [A Computational Study on the Decomposition of Formic Acid Catalyzed by \(H₂O\)_x, x = 0-3: Comparison of the Gas-Phase and Aqueous-Phase Results.](#)
*The mechanisms for the water-catalyzed decomposition of formic acid in the...*12th August, 2008
- *J Phys Chem A.* 2008 Aug 8. ([DOI Direct Link](#))
- [Coupling Fatty Acids by Ketonic Decarboxylation Using Solid Catalysts for the Direct Production of Diesel, Lubricants, and Chemicals.](#)
*The mechanisms for the water-catalyzed decomposition of formic acid in the...*8th August, 2008
Instituto de Tecnologia Quimica, UPV-CSIC, Avda. los Naranjos s/n, 46022- *ChemSusChem.* 2008 Jul 24;1(8-9):739-741. ([DOI Direct Link](#))
- [Concise Route to Triquinanes from Pyran-2-ones.](#)

- Treatment of ether-bridged cyclooctatrienes (formed via intramolecular [4...8th August, 2008*
- Org Lett. 2008 Sep 4;10(17):3733-6. Epub 2008 Aug 7. ([DOI Direct Link](#))
- [Utilization of N,N-Dialkylcarbamic Acid Derived from Secondary Amines and Supercritical Carbon Dioxide: Stereoselective Synthesis of Z Alkenyl Carbamates with a CO\(2\)-Soluble Ruthenium-P\(OC\(2\)H\(5\)\)\(3\) Catalyst.](#)
Reversible transformation of diethylamine (1) and supercritical carbon...5th August, 2008
Department of Applied Chemistry, Graduate School of Science and- Chem Asian J. 2008 Aug 4. ([DOI Direct Link](#))
 - [Molecular cloning and characterization of the sheep malic enzyme cDNA.](#)
Malic enzyme catalyzes decarboxylation of malate to pyruvate and CO(2,...5th August, 2008
Department of Animal Science, Laboratory of Animal Breeding and Husbandry,- Gene. 2008 Jul 10. ([DOI Direct Link](#))
 - [The naturally occurring ketene acetal benesudon: total synthesis and assignment of relative and absolute stereochemistry.](#)
The densely functionalized ketene acetal benesudon, which is a bioactive...5th August, 2008
- J Org Chem. 2008 Sep 5;73(17):6743-52. Epub 2008 Aug 2. ([DOI Direct Link](#))
 - [The effect of serotonin on GABA synthesis in cultured rat spinal dorsal horn neurons.](#)
The spinal dorsal horn (SDH) is the first step in the integration of...2nd August, 2008
Department of Anatomy and K.K. Leung Brain Research Centre, The Fourth- J Chem Neuroanat. 2008 Jul 10. ([DOI Direct Link](#))
 - [Uptake kinetics and biodistribution of \(14\)C-D: -luciferin-a radiolabeled substrate for the firefly luciferase catalyzed bioluminescence reaction: impact on bioluminescence based reporter gene imaging.](#)
PURPOSE: Firefly luciferase catalyzes the oxidative decarboxylation of D:...29th July, 2008
Department of Clinical Radiology, Ludwig-Maximilians University Munich,- Eur J Nucl Med Mol Imaging. 2008 Jul 26. ([DOI Direct Link](#))
 - [Crenarchaeal arginine decarboxylase evolved from an S-adenosylmethionine decarboxylase enzyme.](#)
The crenarchaeon Sulfolobus solfataricus uses arginine to produce...25th July, 2008
Chemistry and Biochemistry, University of Texas at Austin, Austin, TX- J Biol Chem. 2008 Jul 23. ([DOI Direct Link](#))

Decarboxylation Patents:



- 7388019- [3-amino-4-phenylbutanoic acid derivatives as dipeptidyl peptidase inhibitors for the treatment or prevention of diabetes](#)
- 7396798- [Method for preparing catalyst supports and supported catalysts from single walled carbon nanotubes](#)
- 7396833- [Indoles, 1H-indazoles, 1,2-benzisoxazoles, and 1,2-benzisothiazoles, and preparation and uses thereof](#)
- 7396923- [Method for the sulfonation of compounds comprising free hydroxyl \(OH\) groups or primary or secondary amines](#)
- 7396933- [Quinolinone-carboxamide compounds](#)
- 7399774- [6-substituted nicotinamide derivatives as opioid receptor antagonists](#)
- 7399862- [5-HT.sub.4 receptor agonist compounds](#)
- 7399882- [Optimized liquid-phase oxidation](#)

- 7399887- [Fluorinated sulfonate surfactants](#)
- 7402374- [Method for colored image formation](#)
- 7402412- [Mutated D-aminotransferase and method for producing optically active glutamic acid derivatives using the same](#)
- 7396641- [Black and white photothermographic material](#)
- 7396582- [Medical device chemically modified by plasma polymerization](#)
- 7393973- [Polycarboxylic acid production system with enhanced residence time distribution for oxidative digestion](#)
- 7390337- [Fuel gasification system](#)
- 7390509- [Compositions and methods for nutrition supplementation](#)
- 7390840- [Active ray curable composition, active ray curable ink, image forming method and inkjet recording apparatus utilizing the same](#)
- 7390909- [Processes of producing glutamic acid compounds and production intermediates therefore and novel intermediate for the processes](#)
- 7390921- [Optimized liquid-phase oxidation](#)
- 7393555- [Dicopper\(I\) oxalate complexes as precursor for metallic copper deposition](#)
- 7393675- [Corynebacterium glutamicum genes encoding proteins involved in carbon metabolism and energy production](#)
- 7393676- [3-Hydroxypropionic acid and other organic compounds](#)
- 7393903- [Devices and methods for the rapid, reliable detection and determination of acrylamide concentration in food substances and prevention of acrylamide formation in the same](#)
- 7393971- [Method for producing 3,3-dimethyl-2-\(1-propenyl\) cyclopropanecarboxylate](#)
- 7402421- [Recombinant methods and materials for producing epothilone and epothilone derivatives](#)
- 7402630- [Curing compositions for fluoropolymers](#)
- 7410751- [Compositions and methods for image development of conventional chemically amplified photoresists](#)
- 7410961- [2,6-disubstituted piperidines as modulators](#)
- 7410986- [4-6-diphenyl pyridine derivatives as antiinflammatory agents](#)
- 7411084- [Method of preparing phenoxy alkanolic, alkenolic, and alkynolic acids and salts thereof via a dicarboxylate intermediate](#)
- 7413878- [Recombinant host cells expressing atoAD and capable of making a polyketide using a starter unit](#)
- 7414154- [Polyamine compounds and compositions for use in conjunction with cancer therapy](#)
- 7416740- [Dry granulated product containing L-lysine as main component](#)
- 7416835- [Polymerizable composition](#)
- 7416870- [Methods of directing C-O bond formation utilizing a type II polyketide synthase system](#)
- 7417108- [Process for production of 2,3,3',4'-biphenyltetracarboxylic dianhydride](#)
- 7408061- [Rylene dyes](#)
- 7408052- [Nucleic acid molecules and other molecules associated with the carbon assimilation pathway](#)
- 7408019- [Fluorinated ether compound](#)
- 7402642- [Linear functional copolymers of ethylene with precise and minimum run length distributions and method of making thereof](#)
- 7402643- [Water-absorbent resin having treated surface and process for producing the same](#)
- 7402672- [Substituted 1H-pyrrolo\[3,2-b, 3,2-c, and 2,3-c\]pyridine-2-carboxamides and related analogs as inhibitors of casein kinase Iepsilon](#)
- 7402709- [Process for synthesizing heliotropine and its derivatives](#)
- 7402713- [Processes for conversion of tyrosine to p-hydroxystyrene and p-acetoxystyrene](#)
- 7404888- [Reducing metal corrosion of hydrocarbons using acidic fischer-tropsch products](#)
- 7405068- [Pyruvate producing yeast strain](#)
- 7405299- [Compounds as pharmaceutical agents](#)
- 7407956- [Benzamide inhibitors of the P2X.sub.7 receptor](#)
- 7407961- [Pyrazine derivatives and pharmaceutical use thereof](#)
- 7417730- [Apparatus and method for monitoring breath acetone and diabetic diagnostics](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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