

Lactoylglutathione Lyase

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Recent Publications on Lactoylglutathione Lyase:

- [Protein and nucleotide damage by glyoxal and methylglyoxal in physiological systems--role in ageing and disease.](#)
Glycation of proteins, nucleotides and basic phospholipids by glyoxal and... 1st October, 2008
Protein Damage and Systems Biology Research Group, Clinical Sciences- Drug Metabol Drug Interact. 2008;23(1-2):125-50.
- [An overview on the role of methylglyoxal and glyoxalases in plants.](#)
Methylglyoxal (MG) is a highly reactive cytotoxic alpha-oxoaldehyde... 1st October, 2008
Plant Molecular Biology, International Centre for Genetic Engineering and- Drug Metabol Drug Interact. 2008;23(1-2):51-68.
- [Microbial glyoxalase enzymes: metalloenzymes controlling cellular levels of methylglyoxal.](#)
The glyoxalase system consists of two enzymes, glyoxalase I and glyoxalase... 1st October, 2008
Department of Chemistry, University of Waterloo, 200 University Avenue,- Drug Metabol Drug Interact. 2008;23(1-2):29-50.
- [Molecular enzymology of the glyoxalase system.](#)
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Department of Biochemistry and Organic Chemistry, Uppsala University,- Drug Metabol Drug Interact. 2008;23(1-2):13-27.
- [Reduced expression of glyoxalase-1 mRNA in mood disorder patients.](#)
Glyoxalase-1 (Glo1) is an antioxidant enzyme which detoxifies... 20th September, 2008
Division of Neuropsychiatry, Department of Neuroscience, Yamaguchi- Neurosci Lett. 2008 Jun 20;438(2):196-9. Epub 2008 Apr 12. ([DOI Direct Link](#))
- [The identification of an osteoclastogenesis inhibitor through the inhibition of glyoxalase I.](#)
Osteoclasts, bone-resorptive multinucleated cells derived from... 17th September, 2008
Antibiotics Laboratory, Chemical Biology Department, and Biomolecular- Proc Natl Acad Sci U S A. 2008 Aug 19;105(33):11691-6. Epub 2008 Aug 11. ([DOI Direct Link](#))
- [Ethyl pyruvate and ethyl lactate down-regulate the production of pro-inflammatory cytokines and modulate expression of immune receptors.](#)
Esters of alpha-oxo-carbonic acids such as ethyl pyruvate (EP) have been... 17th September, 2008
University of Leipzig, Institute of Biochemistry, Johannisallee 30, 04103- Biochem Pharmacol. 2008 Sep 1;76(5):631-44. Epub 2008 Jun 24. ([DOI Direct Link](#))
- [Formate excretion in urine of rats fed dimethylaminoazobenzene-rich diets: the possibility of formate formation from D-lactate.](#)
This experiment was carried out to evaluate the possibility of degradation... 5th September, 2008

Department of Physiological Chemistry, Faculty of Pharmaceutical Sciences,- Acta Med Okayama. 2008 Jun;62(3):193-203.

- [Pathophysiological role of the glyoxalase system in renal hypoxic injury.](#)
Methylglyoxal (MG), a reactive dicarbonyl compound mainly produced by... 13th August, 2008
Division of Nephrology and Endocrinology, University of Tokyo School of- Ann N Y Acad Sci. 2008 Apr;1126:265-7. ([DOI Direct Link](#))
- [Reversal of hyperglycemia-induced angiogenesis deficit of human endothelial cells by overexpression of glyoxalase 1 in vitro.](#)
Dicarbonyl glycation of RGD and GFOGER sites in type IV collagen has been... 13th August, 2008
Department of Biological Sciences, University of Essex, Colchester, United- Ann N Y Acad Sci. 2008 Apr;1126:262-4. ([DOI Direct Link](#))
- [The dicarbonyl proteome: proteins susceptible to dicarbonyl glycation at functional sites in health, aging, and disease.](#)
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Zuni Indians are experiencing simultaneous epidemics of type 2 diabetes... 7th August, 2008
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- [\[Crystalline silica can induce oxidative stress by inhibiting glyoxalase system in bronchial epithelial cells\]](#)
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- [Alteration of glyoxalase genes expression in response to testosterone in LNCaP and PC3 human prostate cancer cells.](#)
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Department of Experimental Medicine, University of Perugia, Perugia,- Cancer Biol Ther. 2007 Dec;6(12):1880-8. Epub 2007 Sep 1.
- [\[Role of methyl glyoxal and glyoxalase in diabetes and tumor growth\]](#)
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- Vopr Onkol. 2008;54(2):142-7.

Lactoylglutathione Lyase Patents:



- 7390620- [Screening method for anti-microbial drug targets by genome-saturating mutagenesis \(GSM\)](#)
- 6395299- [Matrices for drug delivery and methods for making and using the same](#)
- 6228983- [Human respiratory syncytial virus peptides with antifusogenic and antiviral activities](#)
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- 6068973- [Methods for inhibition of membrane fusion-associated events, including influenza virus](#)
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- 6060065- [Compositions for inhibition of membrane fusion-associated events, including influenza virus transmission](#)
- 6054265- [Screening assays for compounds that inhibit membrane fusion-associated events](#)

- 6017536- [Simian immunodeficiency virus peptides with antifusogenic and antiviral activities](#)
- 6479055- [Methods for inhibition of membrane fusion-associated events, including respiratory syncytial virus transmission](#)
- 6518013- [Methods for the inhibition of epstein-barr virus transmission employing anti-viral peptides capable of abrogating viral fusion and transmission](#)
- 6727285- [Use of D-arginine and/or L-arginine to protect the amino groups of biological substances from damage, inactivation, or modification by toxic carbonyls and/or dicarbonyls](#)
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- 7273614- [Nucleic acids encoding DP-178 and other viral fusion inhibitor peptides useful for treating aids](#)
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- 7264926- [Nucleoside Phosphatase](#)
- 7122190- [Fusion proteins comprising DP-178 and other viral fusion inhibitor peptides useful for treating aids](#)
- 7052913- [Matrices for drug delivery and methods for making and using the same](#)
- 6951717- [Methods and compositions for inhibition of membrane fusion-associated events, including HIV transmission](#)
- 6824783- [Methods for inhibition of membrane fusion-associated events, including HIV transmission](#)
- 6013263- [Measles virus peptides with antifusogenic and antiviral activities](#)

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