

Chloride Peroxidase

[View the current Chloride Peroxidase InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Chloride_Peroxidase.html) (PDF)
(http://www.bioportfolio.com/indepth/Chloride_Peroxidase.html) - Regularly Updated.

Recent Publications on Chloride Peroxidase:



- [Improvement of chloroperoxidase stability by covalent immobilization on chitosan membranes.](#)
Chloroperoxidase (CPO) from Caldariomyces fumago was optimally covalently... 8th September, 2009
School of Chemistry and Materials Science, Shaanxi Normal University,- *Biotechnol Lett.* 2009 Aug;31(8):1269-72. Epub 2009 Apr 29. ([DOI Direct Link](#))
- [Possible role of reactive chlorine in microbial antagonism and organic matter chlorination in terrestrial environments.](#)
Several studies have demonstrated that extensive formation of organically... 15th August, 2009
Department of Microbial Ecology, Lund University, Lund, Sweden.- *Environ Microbiol.* 2009 Jun;11(6):1330-9. Epub 2009 Apr 28. ([DOI Direct Link](#))
- [What kinds of ferryl species exist for compound II of chloroperoxidase? A dialog of theory with experiment.](#)
QM/MM calculations of Mossbauer parameters lead to assignments of the... 11th August, 2009
Institute of Chemistry and The Lise Meitner-Minerva Center for- *J Phys Chem B.* 2009 Jun 4;113(22):7912-7. ([DOI Direct Link](#))
- [DyP-type peroxidases comprise a novel heme peroxidase family.](#)
Dye-decolorizing peroxidase (DyP) is produced by a basidiomycete... 9th May, 2009
Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama, Japan.- *Cell Mol Life Sci.* 2009 Apr;66(8):1387-403. ([DOI Direct Link](#))
- [Formation of cross-linked chloroperoxidase aggregates in the pores of mesocellular foams: characterization by SANS and catalytic properties.](#)
No escape: The formation of cross-linked chloroperoxidase aggregates... 14th April, 2009
University of Augsburg, Germany.- *ChemSusChem.* 2009;2(2):161-4. ([DOI Direct Link](#))
- [Human cyt P450 mediated metabolic toxicity of 4-\(methylnitrosamino\)-1-\(3-pyridyl\)-1-butanone \(NNK\) evaluated using electrochemiluminescent arrays.](#)
Electrochemiluminescent (ECL) arrays containing polymer... 27th March, 2009
Department of Chemistry, University of Connecticut, Storrs, CT 06269-3060,- *Mol Biosyst.* 2009 Feb;5(2):163-9. Epub 2008 Dec 12. ([DOI Direct Link](#))
- [Fourier transform infrared spectroscopy as a tool to study structural properties of cytochromes P450 \(CYPs\).](#)
Cytochrome P450 proteins (CYPs) are a big class of heme proteins which are... 23rd December, 2008
Max Delbrück Center for Molecular Medicine, 13125, Berlin, Germany.- *Anal Bioanal Chem.* 2008 Nov;392(6):1031-58. Epub 2008 Jun 27. ([DOI Direct Link](#))
- [Bactericidal and virucidal activity of the alkalophilic P395D/L241V/T343A mutant of vanadium](#)

chloroperoxidase.

- AIMS: Vanadium chloroperoxidase and its directed evolution mutant...*20th December, 2008
LCOM, Equipe Oxydation et Formulation, UMR CNRS 8009, ENSCL, Villeneuve- J Appl Microbiol. 2008 Jul;105(1):264-70. Epub 2008 Feb 6. ([DOI Direct Link](#))
- [Atypical kinetic behavior of chloroperoxidase-mediated oxidative halogenation of polycyclic aromatic hydrocarbons.](#)
*We have identified an atypical kinetic behavior for the oxidative...*17th December, 2008
Instituto Mexicano del Petroleo, Eje Central Lazaro Cardenas 152, 07730- Arch Biochem Biophys. 2008 Dec 1;480(1):33-40. Epub 2008 Sep 18. ([DOI Direct Link](#))
 - [Techno-economic analysis of biocatalytic processes for production of alkene epoxides.](#)
*A techno-economic analysis of two different bioprocesses was conducted,...*17th October, 2008
Life Biosciences Division, Oak Ridge National Laboratory, Oak Ridge, TN- Appl Biochem Biotechnol. 2007 Apr;137-140(1-12):437-49. ([DOI Direct Link](#))
 - [Improved operational stability of chloroperoxidase through use of antioxidants.](#)
*Chloroperoxidase (CPO) from Caldariomyces fumago is a potentially very...*23rd September, 2008
Department of Biotechnology, Lund University, P.O. Box 124, SE-221 00- J Biotechnol. 2008 Jun 1;135(2):196-201. Epub 2008 Apr 6. ([DOI Direct Link](#))
 - [Quantum mechanical/molecular mechanical study on the mechanisms of compound I formation in the catalytic cycle of chloroperoxidase: an overview on heme enzymes.](#)
*The formation of Compound I (Cpd I), the active species of the enzyme...*17th September, 2008
Institute of Chemistry and The Lise Meitner-Minerva Center for- J Phys Chem B. 2008 Aug 7;112(31):9490-500. Epub 2008 Jul 3. ([DOI Direct Link](#))
 - [QM/MM investigation of structure and spectroscopic properties of a vanadium-containing peroxidase.](#)
*We present a comprehensive analysis of the most likely ground state...*6th September, 2008
Department of Chemistry, 55 North Eagleville Road, University of- J Inorg Biochem. 2008 Aug;102(8):1684-90. Epub 2008 Apr 26. ([DOI Direct Link](#))
 - [Chloroperoxidase-mediated transformation of highly halogenated monoaromatic compounds.](#)
*Peroxidase transformations of widely distributed pollutants, tetra- and...*3rd September, 2008
Instituto de Biotecnologia, Universidad Nacional Autonoma de Mexico,- Chemosphere. 2008 Jun;72(3):485-90. Epub 2008 Apr 24. ([DOI Direct Link](#))
 - [Low-frequency dynamics of Caldariomyces fumago chloroperoxidase probed by femtosecond coherence spectroscopy.](#)
*Ultrafast laser spectroscopy techniques are used to measure the...*3rd June, 2008
Department of Physics and Center for Interdisciplinary Research on Complex- Biochemistry. 2008 May 6;47(18):5156-67. Epub 2008 Apr 12. ([DOI Direct Link](#))

BioNews Results for Chloride Peroxidase

- [Salix Pharmaceuticals to Present at Credit Suisse Conference](#)
Yahoo! Canada: Nov 4 2009 1:19PM Matching: chloride
- [Salix Pharmaceuticals to Present at Credit Suisse Conference](#)
Street Insider: Nov 4 2009 12:53PM Matching: chloride
- [Salix Pharmaceuticals to Present at Credit Suisse Conference](#)
Business Wire: Nov 4 2009 12:46PM Matching: chloride
- [Salix Pharmaceuticals to Present at Credit Suisse Conference](#)
Business Wire via MSN Money: Nov 4 2009 12:17PM Matching: chloride
- [Salix Pharmaceuticals to Present at Credit Suisse Conference](#)
Earthtimes.org: Nov 4 2009 12:13PM Matching: chloride
- [Salix Pharmaceuticals to Present at Credit Suisse Conference](#)

- Earthtimes.org: Nov 4 2009 12:13PM Matching: chloride*
- [Salix Pharmaceuticals to Present at Credit Suisse Conference](#)
Stockwatch: Nov 4 2009 12:08PM Matching: chloride
 - [Salix Pharmaceuticals to Present at Credit Suisse Conference](#)
FinanzNachrichten.de: Nov 4 2009 12:04PM Matching: chloride
 - [Salix Pharmaceuticals to Present at Credit Suisse Conference](#)
FinanzNachrichten.de: Nov 4 2009 12:04PM Matching: chloride
 - [Protein Critical For Insulin Secretion May Be Contributor To Diabetes](#)
Science Daily: Oct 30 2009 2:29AM Matching: chloride
 - [Medical News: Protein Critical For Insulin Secretion May Be Contributor To Diabetes](#)
Medical News Today: Oct 28 2009 11:05AM Matching: chloride
 - [Protein critical for insulin secretion linked to diabetes](#)
DNA India: Oct 27 2009 5:22PM Matching: chloride
 - [Protein critical for insulin secretion linked to diabetes](#)
Topnews.in: Oct 27 2009 11:42AM Matching: chloride
 - [Protein critical for insulin secretion linked to diabetes](#)
Sify: Oct 27 2009 10:44AM Matching: chloride
 - [Protein Critical For Insulin Secretion May Be Contributor To Diabetes](#)
Red Orbit: Oct 27 2009 6:58AM Matching: chloride

Chloride Peroxidase Patents:



- 7288120- [Synthesis of tetraazapentamethine compounds, and processes for dyeing keratin fibers using this synthesis](#)
- 6023000- [Process for the preparation of aldehydes and ketones](#)
- 5928380- [Treatment of fabrics garments or yarns with haloperoxidase](#)
- 5750379- [Process for the production of carthamin](#)
- 5707842- [Method for regulating enzyme activities by noble gases](#)
- 5614394- [Method and monoclonal antibodies for vitamin B12 determination](#)
- 5516700- [Automated urinalysis method](#)
- 5462861- [Method for improving enzyme activities with noble gases](#)
- 5453284- [Stabilized enzymatic dentifrice](#)
- 5451508- [Method and monoclonal antibodies for vitamin B12 determination](#)
- 5356437- [Removal of excess dye from new textiles](#)
- 5336494- [Pet chewable products with enzymatic coating](#)
- 5221615- [Liquid stable triglyceride reagent system](#)
- 4642286- [Composition and method for ethanol determination](#)
- 4617190- [Enzymatic powder milk](#)
- 6048367- [Process for removal of excess dye from printed or dyed fabric or yarn](#)
- 6069282- [Process for the preparation of aldehydes and ketones](#)
- 6140109- [Method for enzymatic treatment of wool](#)
- 6818212- [Antimicrobial composition containing a haloperoxidase, a hydrogen peroxide source, a halide source and an ammonium source](#)
- 6812380- [Compositions and methods of zearalenone detoxification](#)

- 6696058- [Aqueous enzymatic denture adhesives](#)
- 6631332- [Methods for using functional site descriptors and predicting protein function](#)
- 6409771- [Process for removal of excess dye from printed or dyed fabric or yarn](#)
- 6372465- [Haloperoxidases with altered pH profiles](#)
- 6322596- [Method of decolorizing a dyed material in a predetermined pattern](#)
- 6297403- [Process for the preparation of aldehydes and ketones](#)
- 6258209- [Multi-component system for modifying, degrading or bleaching lignin, lignin-containing materials or similar substances](#)
- 6251386- [Antimicrobial composition containing a haloperoxidase, a hydrogen peroxide source, a halide source and an ammonium source](#)
- 6248134- [Process for removal of excess dye from printed or dyed fabric or yarn](#)
- 6242245- [Multicomponent system for modifying, degrading or bleaching lignin or lignin-containing materials, and processes for its use](#)
- 6221821- [Haloperoxidases with altered pH profiles](#)
- 6169213- [Process for the preparation of heteroaryl aldehydes and heteroaryl ketones](#)
- 4576817- [Enzymatic bandages and pads](#)

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

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)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Stafford House, 10 Prince of Wales Road, Dorchester, Dorset, DT1 1PW, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2009 - BioPortfolio Limited.

