

Protoporphyrinogen Oxidase

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Recent Publications on Protoporphyrinogen Oxidase:



- [Variegate porphyria in a 46-year-old patient taking sibutramine for weight loss.](#)
*Summary The acute hepatic porphyrias can cause life-threatening attacks of...*23rd October, 2009
Department of Medicine and Gastroenterology, Klinikum Vest GmbH -- *Obes Rev.* 2009 Oct 21. ([DOI Direct Link](#))
- [Bioactive conformation analysis of cyclic imides as protoporphyrinogen oxidase inhibitor by combining DFT calculations, QSAR and molecular dynamic simulations.](#)
*Bioactive conformation of drugs is one of the key points for understanding...*9th October, 2009
Key Laboratory of Pesticide and Chemical Biology of Ministry of Education,- *Bioorg Med Chem.* 2009 Jul 15;17(14):4935-42. Epub 2009 Jun 6. ([DOI Direct Link](#))
- [Rational Prediction of the Herbicidal Activities of Novel Protoporphyrinogen Oxidase Inhibitors by Quantitative Structure-Activity Relationship Model Based on Docking-Guided Active Conformation.](#)
*Molecular docking-guided active conformation selection was used in a...*29th September, 2009
State Key Laboratory of Applied Organic Chemistry and Department of- *J Agric Food Chem.* 2009 Sep 25. ([DOI Direct Link](#))
- [\[Solarium-induced pseudoporphyria and variegate porphyria as rare differential diagnoses of porphyria cutanea tarda\]](#)
*Three patients presented with typical porphyria cutanea tarda-like...*17th September, 2009
Hautklinik des Universitätsklinikums Dusseldorf.- *Hautarzt.* 2009 Oct;60(10):790-3. ([DOI Direct Link](#))
- [Identification of a recurrent mutation in the protoporphyrinogen oxidase gene in Swiss patients with variegate porphyria: clinical and genetic implications.](#)
*Variegate porphyria (VP), one of the acute hepatic porphyrias, results...*7th August, 2009
Department of Dermatology, University Medical Center Utrecht, The- *Cell Mol Biol (Noisy-le-grand).* 2009 Jul 1;55(2):96-101.
- [The expression of protoporphyrinogen oxidase in human tissues.](#)
*Protoporphyrinogen oxidase is the penultimate enzyme in the haem...*7th August, 2009
Lennox Eales Porphyria Laboratories, MRC/UCT Liver Research Centre,- *Cell Mol Biol (Noisy-le-grand).* 2009 Jul 1;55(2):89-95.
- [Functional analysis of the 5' regulatory region of the 5-aminolevulinic synthase \(ALAS1\) gene in response to estrogen.](#)
*Genetic defects in the heme synthesis enzymes lead to a group of...*7th August, 2009
Department of Genetics, Stellenbosch University, Stellenbosch, South- *Cell Mol Biol (Noisy-le-grand).* 2009 Jul 1;55(2):20-30.
- [Identification of Escherichia coli HemG as a novel, menadione-dependent flavodoxin with](#)

[protoporphyrinogen oxidase activity.](#)

*Protoporphyrinogen oxidase (PPO, EC 1.3.3.4) catalyzes the six-electron...*6th August, 2009
Biomedical and Health Sciences Institute and Department of Microbiology,- Biochemistry. 2009 Jul 28;48(29):6705-11. ([DOI Direct Link](#))

• [Porphyria in Switzerland, 15 years experience.](#)

*BACKGROUND: The porphyrias, a group of seven metabolic disorders in the...*17th July, 2009
Central Laboratory, Stadtspital Triemli, Zurich, Switzerland.- Swiss Med Wkly. 2009 Apr 4;139(13-14):198-206. ([DOI Direct Link](#))

• [Diagnostic strategies for autosomal dominant acute porphyrias: retrospective analysis of 467 unrelated patients referred for mutational analysis of the HMBS, CPOX, or PPOX gene.](#)

*BACKGROUND: Clinically indistinguishable attacks of acute porphyria occur...*15th July, 2009
Department of Medical Biochemistry and Immunology, University Hospital of- Clin Chem. 2009 Jul;55(7):1406-14. Epub 2009 May 21. ([DOI Direct Link](#))

• [Docking and 3D QSAR studies of protoporphyrinogen oxidase inhibitor 3H-pyrazolo\[3,4-d\]\[1,2,3\]triazin-4-one derivatives.](#)

*Docking and three dimensional quantitative structure - activity...*23rd June, 2009
Drug Theoretics and Cheminformatics Laboratory, Department of- J Mol Model. 2009 Jun 19. ([DOI Direct Link](#))

• [Understanding the mechanism of drug resistance due to a codon deletion in protoporphyrinogen oxidase through computational modeling.](#)

*Protoporphyrinogen oxidase (PPO; EC 1.3.3.4) is the last common enzyme for...*12th June, 2009
Key Laboratory of Pesticide & Chemical Biology of Ministry of Education,- J Phys Chem B. 2009 Apr 9;113(14):4865-75. ([DOI Direct Link](#))

• [Enzyme antioxidant defences and oxidative damage in red blood cells of variegate porphyria patients.](#)

*Variegate porphyria is the result of decreased protoporphyrinogen oxidase...*27th May, 2009
Laboratori de Ciencies de l'Activitat Fisica, Departament de Biologia- Redox Rep. 2009;14(2):69-74. ([DOI Direct Link](#))

• [Peroxisome proliferator-activated receptor alpha controls hepatic heme biosynthesis through ALAS1.](#)

*Heme is an essential prosthetic group of proteins involved in oxygen...*22nd May, 2009
Department of Biochemistry, University of Kuopio, FIN-70211 Kuopio,- J Mol Biol. 2009 May 1;388(2):225-38. Epub 2009 Mar 14. ([DOI Direct Link](#))

• [Novel human pathological mutations. Gene symbol: PPOX. Disease: porphyria, variegate.](#)

*BACKGROUND: The porphyrias, a group of seven metabolic disorders in the...*15th April, 2009
Dip. Medicina Interna-Universita degli studi di Milano, Fondazione- Hum Genet. 2009 Apr;125(3):344.

BioNews Results for Protoporphyrinogen Oxidase

• [Reversible Inhibitors of Monoamine Oxidase-A \(RIMAs\): Robust, Reversible Inhibition of Human Brain MAO-A by CX157](#)

Neuropsychopharmacology: Nov 5 2009 5:03AM Matching: oxidase

• [Enzyme Research: Researchers at Technion target enzyme research](#)

NewsRX: Oct 27 2009 4:35AM Matching: oxidase

• [New artificial enzyme safer for nature](#)

Genetic Engineering News: Oct 22 2009 2:46PM Matching: oxidase



Protoporphyrinogen Oxidase Patents:

- 7579530- [Inbred maize line PHHCA](#)
- 7589260- [Soybean variety XB05J08](#)
- 7589261- [Soybean variety XB41M08](#)
- 7589263- [Inbred maize variety PHD0G](#)
- 7589264- [Maize variety 36V52](#)
- 7592510- [Lettuce cultivar 80-0601018-B](#)
- 7592513- [Soybean cultivar 6935331](#)
- 7592514- [Soybean cultivar S050225](#)
- 7592515- [Soybean cultivar 6910450](#)
- 7592518- [Soybean cultivar S06-02RM018047](#)
- 7592519- [Soybean variety XB27D08](#)
- 7589259- [Soybean variety XB33T08](#)
- 7586028- [Maize variety PHR1R](#)
- 7586027- [Maize variety PHHMD](#)
- 7582810- [Soybean cultivar S060296](#)
- 7582811- [Soybean variety XB29M08](#)
- 7582812- [Soybean variety 90Y40](#)
- 7582813- [Soybean variety XB40U08](#)
- 7582814- [Inbred maize variety PHENA](#)
- 7582815- [Inbred maize variety PHHHN](#)
- 7582816- [Maize variety PHW5F](#)
- 7586023- [Methods of conferring ppo-inhibiting herbicide resistance to plants by gene manipulation](#)
- 7586025- [Soybean variety XB30Y08](#)
- 7586026- [Inbred maize variety PHHNJ](#)
- 7592522- [Inbred maize line PHE72](#)
- 7592523- [Maize variety X6K239](#)
- 7605306- [Soybean cultivar S060298](#)
- 7605307- [Soybean variety XB28N08](#)
- 7608764- [Inbred maize line PHB8V](#)
- 7612255- [Transgenic plants for mitigating introgression of genetically engineered genetic traits](#)
- 7612262- [Inbred maize variety PHEKN](#)
- 7612263- [Maize variety PHRAN](#)
- 7612264- [Maize variety PHGDD](#)
- 7612265- [Maize variety PHJ8C](#)
- 7615690- [Inbred maize variety PHHCF](#)
- 7619148- [Soybean variety XB22Y08](#)
- 7605305- [Soybean cultivar 2388028](#)
- 7601898- [Soybean variety XB27N08](#)
- 7601897- [Soybean variety XB48X07](#)
- 7592524- [Maize variety X6H867](#)
- 7595436- [Inbred maize variety PHE3D](#)
- 7598433- [Lettuce cultivar 51-0501032-B](#)
- 7598435- [Soybean variety XB33U08](#)
- 7598437- [Maize hybrid variety X5K673](#)

- 7598438- [Inbred maize variety PHEVC](#)
- 7598439- [Inbred maize line PHC77](#)
- 7598442- [Wheat variety 25R56](#)
- 7598443- [Wheat variety 26R87](#)
- 7601896- [Soybean cultivar 2387029](#)
- 7619149- [Maize variety PHWSF](#)

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