

Xanthine Oxidase

[View the current Xanthine Oxidase InDepth page on BioPortfolio.com \(PDF\)](#)

(http://www.bioportfolio.com/indepth/Xanthine_Oxidase.html) - Regularly Updated.



Recent Publications on Xanthine Oxidase:

- [Multienzymatic system immobilization in sol-gel slides: Fluorescent superoxide biosensors development.](#)
One of the potential areas of research in the development of biosensors is... 21st November, 2009
Instituto de Biología Molecular y Celular, Universidad Miguel Hernández,- Biosens Bioelectron. 2009 Oct 27. ([DOI Direct Link](#))
- [Transport and metabolism of the antitumour drug candidate 2'-benzoyloxycinnamaldehyde in Caco-2 cells.](#)
The transport and metabolism of the antitumour drug candidate... 21st November, 2009
Bio-Evaluation Center, KRIBB, Chungbuk, Republic of Korea.- Xenobiotica. 2009 Dec;39(12):881-888. ([DOI Direct Link](#))
- [Antioxidant Effects of Some Drugs on Immobilization Stress Combined with Cold Restraint Stress.](#)
The aim of this work was to investigate the effect on antioxidant... 20th November, 2009
Department of Chemistry, Faculty of Science, University of Novi Sad, Trg- Molecules. 2009 Nov 10;14(11):4505-4516. ([DOI Direct Link](#))
- [In Vitro Antioxidant and Xanthine Oxidase Inhibitory Activities of Methanolic Swietenia mahagoni Seed Extracts.](#)
This study examines the in vitro antioxidant activities of the methanol... 20th November, 2009
Centre for Drug Research, Universiti Sains Malaysia, 11800 Penang,- Molecules. 2009 Nov 6;14(11):4476-4485. ([DOI Direct Link](#))
- [The effect of allopurinol on the cerebral vasculature of patients with subcortical stroke: a randomized trial.](#)
AIMS: New preventative strategies for stroke are required. One promising... 18th November, 2009
Acute Stroke Unit, Division of Cardiovascular and Medical Sciences,- Br J Clin Pharmacol. 2009 Nov;68(5):662-8. ([DOI Direct Link](#))
- [Postprandial Oxidative Stress: Influence of Sex and Exercise Training Status.](#)
An individual's sex and exercise training status may influence oxidative... 17th November, 2009
1Department of Health and Sport Sciences, University of Memphis, Memphis,- Med Sci Sports Exerc. 2009 Dec;41(12):2111-2119. ([DOI Direct Link](#))
- [Temporal Responses to Intrinsically Coupled Calcium and Zinc Dyshomeostasis in Cardiac Myocytes and Mitochondria During Aldosteronism.](#)
Intracellular [Ca(2+)]i overloading, coupled to induction of oxidative... 17th November, 2009
University of Tennessee Health Science Center.- Am J Physiol Heart Circ Physiol. 2009 Nov 13. ([DOI Direct Link](#))

- [Barlerisides A and B, new potent superoxide scavenging phenolic glycosides from Barleria acanthoides.](#)
*Barlerisides A (1) and B (2), new phenolic glycosides, have been isolated...*17th November, 2009
H.E.J. Research Institute of Chemistry, University of Karachi, Karachi,- J Enzyme Inhib Med Chem. 2009 Dec;24(6):1332-5. ([DOI Direct Link](#))
- [Racial differences in postprandial oxidative stress with and without acute exercise.](#)
*High-kilocalorie feedings induce oxidative stress. Acute exercise has the...*17th November, 2009
Cardiorespiratory/Metabolic Laboratory, University of Memphis, Memphis, TN- Int J Sport Nutr Exerc Metab. 2009 Oct;19(5):457-72.
- [A Single Amino Acid Substitution Confers High Cinchonidine Oxidation Activity Comparable with That of Rabbit to Monkey Aldehyde Oxidase 1.](#)
*Aldehyde oxidase 1 (AOX1) is a major member of the xanthine oxidase family...*17th November, 2009
1 Tohoku Pharmaceutical University;- Drug Metab Dispos. 2009 Nov 12. ([DOI Direct Link](#))
- [Update on gout and hyperuricemia.](#)
*Summary There have been recent advances in the understanding of underlying...*17th November, 2009
Department of Medicine, Division of Rheumatology, Hospital of the- Int J Clin Pract. 2009 Nov 10. ([DOI Direct Link](#))
- [Febuxostat: a new treatment for hyperuricaemia in gout.](#)
*Febuxostat is a new non-purine xanthine oxidase inhibitor that is more...*13th November, 2009
Department of Medicine, University of Florida, Gainesville, FL 32610, USA.- Rheumatology (Oxford). 2009 May;48 Suppl 2:ii15-ii19. ([DOI Direct Link](#))
- [Oxidative Stress and Mitochondrial Dysfunction in Atherosclerosis: Mitochondria-Targeted Antioxidants as Potential Therapy.](#)
*Chronic and acute overproduction of reactive oxygen species (ROS) under...*12th November, 2009
Hospital Universitary Doctor Peset Foundation, Avda Gaspar Aguilar 90,- Curr Med Chem. 2009 Nov 5.
- [Orange juice and hesperetin supplementation to hyperuricemic rats alter oxidative stress markers and xanthine oxidoreductase activity.](#)
*Our objective was to examine the effect of orange juice and hesperetin on...*11th November, 2009
Nutrition Department of Para-Medical School, Ahvaz Jondishapur University- J Clin Biochem Nutr. 2009 Nov;45(3):285-91. Epub 2009 Oct 28. ([DOI Direct Link](#))
- [EFFECT OF ASTAXANTHIN ON HEPATOCELLULAR INJURY FOLLOWING ISCHEMIA/REPERFUSION.](#)
*This study investigated the effect of astaxanthin (ASX; 3,3-dihydroxybeta,...*11th November, 2009
Departments of Biochemistry, University Medical School, Antalya, 07070,- Toxicology. 2009 Nov 6. ([DOI Direct Link](#))

BioNews Results for Xanthine 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



Xanthine Oxidase Patents:

- 7553839- [5h-pyrrolo\[3,2-D\] pyrimidine inhibitors of nucleoside phosphorylases and nucleosidases](#)
- 7575893- [Methods for producing humanized antibodies and improving yield of antibodies or antigen binding fragments in cell culture](#)
- 7579026- [Methods for enhancing antioxidant enzyme activity and reducing c-reactive protein levels](#)
- 7582440- [Imaging, diagnosis and treatment of disease](#)
- 7582441- [Methods and compositions for treating and diagnosing disease](#)
- 7582445- [Anti-interferon-.alpha. antibodies](#)
- 7582644- [Pyrimidyl sulphone amide derivatives as chemokine receptor modulators](#)
- 7582786- [Synthetic catalytic free radical scavengers useful as antioxidants for prevention and therapy of disease](#)
- 7585673- [.gamma.-heregulin](#)
- 7585867- [Substituted thiazolo\[4,5-d\]pyrimidin-2\(3H\)-one](#)
- 7589210- [Nitrons carrying a positive charge and usable in trapping free radicals, especially the superoxide radical](#)
- 7572933- [Skin and hair restoration by natural amino acid peptide complexes](#)
- 7572374- [Anticoagulant and thrombo-resistant hollow fiber membranes for in-vivo plasmapheresis and ultrafiltration](#)
- 7572356- [Electrochemical-based sensor with a redox polymer and redox enzyme entrapped by a dialysis membrane](#)
- 7553845- [Substituted indolizine 1,2,3,6,7,8 derivatives, FGFs inhibitors, a method for the preparation thereof and pharmaceutical compositions containing said derivatives](#)
- 7553877- [Modulators of the glucocorticoid receptor](#)
- 7553972- [Benzamide inhibitors of the P2X.sub.7 receptor](#)
- 7560444- [Polysaccharides for pulmonary delivery of active agents](#)
- 7560544- [3,5-Disubstituted and 3,5,7-trisubstituted-3H-oxazolo and 3H-thiazolo\[4,5-d\]pyrimidin-2-one compounds and prodrugs thereof](#)
- 7563465- [Jucara and Acai fruit-based dietary supplements](#)
- 7563467- [Use of an Opuntia ficus-indica extract and compounds isolated therefrom for protecting nerve cells](#)
- 7563588- [Electrically non-conductive, nanoparticulate membrane](#)
- 7563790- [Pyridazine derivatives](#)
- 7566573- [Dual standard curve immunoassay](#)
- 7592023- [Transplant media](#)
- 7592140- [2', 5'-oligoadenylate phosphodiesterase](#)
- 7608413- [Kidney disease targets and uses thereof](#)
- 7608429- [Methods and compositions for increasing antibody production](#)
- 7608681- [Methods and compositions for prolonging elimination half-times of bioactive compounds](#)
- 7611621- [Disposable oxygen sensor and method for correcting oxygen effect on oxidase-based analytical devices](#)
- 7611703- [Kidney disease targets and uses thereof](#)
- 7612108- [2-phenylthiophene derivative](#)
- 7615383- [Methods for treating neuropathy by agonist anti-trk-C monoclonal antibodies](#)
- 7615535- [Inhibiting GS-FDH to modulate no bioactivity](#)
- 7615548- [Method to inhibit ischemia and reperfusion injury](#)

- 7615555- [Piperidine derivatives as modulators of chemokine receptor CCR5](#)
- 7607538- [Container for transporting a blister package](#)
- 7604933- [Method for sorting tumor cells](#)
- 7604593- [Methods for measuring analyte in a subject and/or compensating for incomplete reaction involving detection of the analyte](#)
- 7592304- [Metal-binding compounds and uses therefor](#)
- 7592449- [Structural carotenoid analogs for the inhibition and amelioration of disease](#)
- 7595160- [Analyte detection using barcoded polymers](#)
- 7595313- [Nitric oxide donating diuretic compounds, compositions and methods of use](#)
- 7597884- [Hyperglycosylated polypeptide variants and methods of use](#)
- 7598254- [Substituted 1,3-thiazolo\[5,4-d\]pyrimidines as xanthine oxidase inhibitors](#)
- 7598400- [AMPO spin traps](#)
- 7601487- [Composition using HMW dextran and method for in vitro preservation of corneal tissues](#)
- 7601802- [Cysteine-containing peptides having antioxidant properties](#)
- 7601827- [Polynucleotides encoding polypeptides that bind to the P185.sup.HER2 receptor](#)
- 7618631- [Treatment with anti-ErbB2 antibodies and EGFR-targeted drugs](#)

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.

