

Squalene Monooxygenase

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Recent Publications on Squalene Monooxygenase:



- [Identification of the Arabidopsis dry2/sqe1-5 mutant reveals a central role for sterols in drought tolerance and regulation of reactive oxygen species.](#)
*Squalene epoxidase enzymes catalyse the conversion of squalene into...*30th July, 2009
Departamento de Biología Molecular y Bioquímica, Universidad de Malaga,- Plant J. 2009 Jul;59(1):63-76. Epub 2009 Feb 26. ([DOI Direct Link](#))
- [Human pregnane X receptor activation and CYP3A4/CYP2B6 induction by 2,3-oxidosqualene:lanosterol cyclase inhibition.](#)
*The effects of...*15th July, 2009
Institute of Environmental Health Sciences, 2727 Second Avenue, Room 4000,- Drug Metab Dispos. 2009 Apr;37(4):900-8. Epub 2009 Jan 21. ([DOI Direct Link](#))
- [Antifungal resistance mechanisms in dermatophytes.](#)
*Although fungi do not cause outbreaks or pandemics, the incidence of...*6th January, 2009
Departamento de Genética, Faculdade de Medicina de Ribeirão Preto,- Mycopathologia. 2008 Nov-Dec;166(5-6):369-83. Epub 2008 May 14. ([DOI Direct Link](#))
- [Inhibition of cholesterol biosynthesis impairs insulin secretion and voltage-gated calcium channel function in pancreatic beta-cells.](#)
*Insulin secretion from pancreatic beta-cells is mediated by the opening of...*5th November, 2008
Department of Medicine, University of Toronto, Toronto, Ontario, Canada- Endocrinology. 2008 Oct;149(10):5136-45. Epub 2008 Jul 3. ([DOI Direct Link](#))
- [Squalene epoxidase, located on chromosome 8q24.1, is upregulated in 8q+ breast cancer and indicates poor clinical outcome in stage I and II disease.](#)
*Gains of chromosomes 7p and 8q are associated with poor prognosis among...*18th September, 2008
Department of Pediatrics, Stanford University School of Medicine,- Br J Cancer. 2008 Sep 2;99(5):774-80. Epub 2008 Aug 12. ([DOI Direct Link](#))
- [Molecular cloning and characterization of the gene encoding squalene epoxidase in Panax notoginseng.](#)
*Squalene epoxidase (SE) is one of the rate-limiting enzymes in the...*13th September, 2008
Sichuan Key Laboratory of Molecular Biology and Biotechnology, College of- DNA Seq. 2008 Jun;19(3):270-3. ([DOI Direct Link](#))
- [Structure-function correlations of two highly conserved motifs in Saccharomyces cerevisiae squalene epoxidase.](#)
*Saccharomyces cerevisiae squalene epoxidase contains two highly conserved...*4th July, 2008

Institute of Molecular Biosciences, Karl-Franzens-Universität Graz,- Antimicrob Agents Chemother. 2008 Apr;52(4):1496-9. Epub 2008 Jan 22. ([DOI Direct Link](#))

- [Molecular characterization of a Squalene epoxidase gene in dermatophyte pathogen *Trichophyton tonsurans*.](#)
*BACKGROUND: Trichophyton tonsurans is one of the dermatophyte fungi which...*28th May, 2008
Dept. of Microbiology, School of Basic Sciences, Islamic Azad University,- Iran Biomed J. 2008 Jan;12(1):55-8.
- [A squalene epoxidase is involved in biosynthesis of both the antitumor compound clavaric acid and sterols in the basidiomycete *H. sublateralis*.](#)
*The basidiomycete *Hypholoma sublateralis* produces the triterpenoid...*20th March, 2008
Instituto de Biotecnología de León (INBIOTEC), Avda. Real 1., 24006 León,- Chem Biol. 2007 Dec;14(12):1334-46. ([DOI Direct Link](#))
- [Heteroallyl-containing 5-nitrofurans as new anti-*Trypanosoma cruzi* agents with a dual mechanism of action.](#)
*New heteroallyl-containing 5-nitrofurans were synthesized as potential...*30th January, 2008
Laboratorio de Química Orgánica, Facultad de Química/Facultad de Ciencias,- Bioorg Med Chem. 2008 Jan 1;16(1):569-77. Epub 2007 Aug 21. ([DOI Direct Link](#))
- [Expression of the gene for sterol-biosynthesis enzyme squalene epoxidase in parenchyma cells of the oil plant, *Euphorbia tirucalli*.](#)
*In plants, phytosterols and triterpenes are major secondary metabolites....*30th January, 2008
Research Institute for Bioresources and Biotechnology, Ishikawa- Planta. 2007 Oct;226(5):1109-15. Epub 2007 Jun 14. ([DOI Direct Link](#))
- [Sterol biosynthesis by a prokaryote: first in vitro identification of the genes encoding squalene epoxidase and lanosterol synthase from *Methylococcus capsulatus*.](#)
*Sterol biosynthesis by prokaryotic organisms is very rare. Squalene...*3rd January, 2008
Graduate School of Science and Technology, Niigata University, Japan.- Biosci Biotechnol Biochem. 2007 Oct;71(10):2543-50. Epub 2007 Oct 7.
- [Synthesis and antifungal activity of a series of N-substituted \[2-\(2,4-dichlorophenyl\)-3-\(1,2,4-triazol-1-yl\)\]propylamines.](#)
*A series of N-mono- or N, N-disubstituted...*13th December, 2007
Dipartimento di Scienze Molecolari Agroalimentari, Università di Milano,- J Agric Food Chem. 2007 Oct 3;55(20):8187-92. ([DOI Direct Link](#))
- [Lanosterol biosynthesis in the prokaryote *Methylococcus capsulatus*: insight into the evolution of sterol biosynthesis.](#)
*A putative operon containing homologues of essential eukaryotic sterol...*30th October, 2007
Institute of Life Science, Swansea Medical School, University of Wales- Mol Biol Evol. 2007 Aug;24(8):1714-21. Epub 2007 Jun 13. ([DOI Direct Link](#))
- [Arabidopsis thaliana squalene epoxidase 1 is essential for root and seed development.](#)
*Squalene epoxidase converts squalene into oxidosqualene, the precursor of...*11th July, 2007
Department of Biochemistry and Cell Biology, Rice University, Houston,- J Biol Chem. 2007 Jun 8;282(23):17002-13. Epub 2007 Apr 10. ([DOI Direct Link](#))

BioNews Results for Squalene Monooxygenase

- [Vulnerable patients shunning swine flu vaccine, GPs warn](#)
Telegraph: Nov 18 2009 7:57AM Matching: squalene
- [Vulnerable patients shunning swine flu vaccine GPs warn](#)
Telegraph: Nov 18 2009 7:43AM Matching: squalene
- [Eastburg school district prepares for 9,000 swine flu vaccines](#)

- Pocono Record: Nov 7 2009 8:39AM Matching: squalene
- [Swine flu vaccination fears put to rest](#)
EMax Health: Oct 20 2009 2:42AM Matching: squalene
 - [U.S. could potentially use controversial adjuvants in swine flu vaccine](#)
PrisonPlanet: Oct 14 2009 2:02PM Matching: squalene
 - [Just Say NO to The Swine Flu Vaccine of](#)
Lincoln News Messenger: Oct 13 2009 5:18PM Matching: squalene
 - [Be careful with swine flu vaccine](#)
News Gazette: Oct 13 2009 11:02AM Matching: squalene

Squalene Monooxygenase Patents:



- 7615680- [Temporal seed promoters for expressing genes in plants](#)
- 6489461- [Nucleic acid sequences encoding proteins involved in fatty acid beta-oxidation and methods of use](#)
- 6468955- [Laundry detergent and/or fabric care compositions comprising a modified enzyme](#)
- 6465410- [Laundry detergent and/or fabric care composition comprising a modified antimicrobial protein](#)
- 6387647- [Cytochrome P-450 reductase screen for ergosterol biosynthesis inhibitors](#)
- 6251845- [Detergent compositions comprising an oxygenase enzyme and cofactor to remove body soils](#)
- 6239264- [Genomic DNA sequences of ashbya gossypii and uses thereof](#)
- 6153815- [DNA sequences from brassicaceae encoding squalene epoxidase and process of raising squalene levels in plants therewith](#)
- 5756291- [Aptamers specific for biomolecules and methods of making](#)
- 5527687- [Enzyme induction screen for ergosterol biosynthesis inhibitors](#)
- 5418144- [Spindle pole body screen for fungicides](#)
- 5217979- [Substituted alkyl piperidines](#)
- 5102915- [Cyclopropyl squalene derivatives and their use as inhibitors of cholesterol synthesis](#)
- 6589762- [Calcafluor screen for chitin biosynthesis inhibitors](#)
- 6630617- [Enzymes involved in squalene metabolism](#)
- 6723837- [Nucleic acid molecule and encoded protein associated with sterol synthesis and metabolism](#)
- 7544863- [Transgenic plants containing altered levels of steroid compounds](#)
- 7365241- [Seed specific USP promoters for expressing genes in plants](#)
- 7365178- [Acyl-nucleotide probes and methods of their synthesis and use in proteomic analysis](#)
- 7179959- [Temporal seed promoters for expressing genes in plants](#)
- 7173120- [Regulatory sequences for regulation of gene expression in plants and other organisms, and compositions, products and methods related thereto](#)
- 7135624- [Enzymes involved in triterpene synthesis](#)
- 7122717- [Enzymes involved in squalene metabolism](#)
- 7109033- [Stress-regulated genes of plants, transgenic plants containing same, and methods of use](#)
- 7078588- [Seed specific USP promoters for expressing genes in plants](#)
- 6828092- [In vivo assays for modulators of sterol biosynthesis](#)
- 6822142- [Transgenic plants containing altered levels of steroid compounds](#)
- 6747137- [Nucleic acid sequences relating to Candida albicans for diagnostics and therapeutics](#)
- 5051534- [Novel cyclopropyl squalene derivatives and their use as inhibitors of cholesterol synthesis](#)

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