

D-Amino-Acid Oxidase

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Recent Publications on D-Amino-Acid Oxidase:

- [Genetic variation in the DAOA gene complex: impact on susceptibility for schizophrenia and on cognitive performance.](#)
*INTRODUCTION: The genetic region coding for d-amino acid oxidase activator...*27th September, 2008
Division of Psychiatry Research, The Zucker Hillside Hospital, North- Schizophr Res. 2008 Aug;103(1-3):169-77. Epub 2008 Jun 9. ([DOI Direct Link](#))
- [\[Fusion expression of D-amino acid oxidase from *Trigonopsis variabilis* with maltose binding protein and *Vitreoscilla* hemoglobin\]](#)
*D-amino acid oxidase (DAAO) is one of important industrial enzymes. To...*24th September, 2008
Department of Chemical Engineering, Tsinghua University, Beijing 100084,- Sheng Wu Gong Cheng Xue Bao. 2008 Jun;24(6):1004-9.
- [Allosteric modulation of NMDA receptor via elevation of brain glycine and d-serine: The therapeutic potentials for schizophrenia.](#)
*Ionotropic AMPA and NMDA glutamate receptors are ligand-gated ion channels...*23rd September, 2008
Neuroscience Discovery, Lilly Research Laboratories, Eli Lilly & Co.,- Pharmacol Ther. 2008 Aug 27. ([DOI Direct Link](#))
- [Long-term treatment with morphine increases the D-serine content in the rat brain by regulating the mRNA and protein expressions of serine racemase and D-amino acid oxidase.](#)
*Recent studies indicate that an endogenous co-agonist for an...*20th September, 2008
Department of Clinical Pharmacology, Tokai University School of Medicine,- J Pharmacol Sci. 2008 Jul;107(3):270-6. Epub 2008 Jul 5.
- [The stabilizing effects of immobilization in D-amino acid oxidase from *Trigonopsis variabilis*.](#)
*BACKGROUND: Immobilization of Trigonopsis variabilis D-amino acid oxidase...*19th September, 2008
Research Centre Applied Biocatalysis, Petersgasse 14, A-8010 Graz,- BMC Biotechnol. 2008 Sep 17;8:72. ([DOI Direct Link](#))
- [pLG72 modulates intracellular D-serine levels through its interaction with D-amino acid oxidase: effect on schizophrenia susceptibility.](#)
*Human genes coding for pLG72 and d-amino acid oxidase have recently been...*18th September, 2008
Department of Biotechnology and Molecular Sciences, University of- J Biol Chem. 2008 Aug 8;283(32):22244-56. Epub 2008 Jun 10. ([DOI Direct Link](#))
- [\[Structure and reaction mechanism of D-amino acid oxidase\]](#)
*D-amino acid oxidase (DAAO) can catalyze the dehydrogenation of D-amino...*13th September, 2008
School of Health Sciences, Kumamoto University, Kuhonji 4-24-1, Kumamoto- Seikagaku. 2008

Jun;80(6):569-78.

- [Role of glutamate in schizophrenia: integrating excitatory avenues of research.](#)
*Schizophrenia is a debilitating lifelong disorder affecting up to 1% of...*2nd September, 2008
Department of Psychiatry & Behavioral Neurobiology, University of Alabama- Expert Rev Neurother. 2008 Sep;8(9):1389-406. ([DOI Direct Link](#))
- [Mutant rat strain lacking D: -amino-acid oxidase.](#)
*D: -Amino-acid oxidase (DAO) is known to be associated with schizophrenia....*22nd August, 2008
Center for Medical Science, International University of Health and- Amino Acids. 2008 Aug 21. ([DOI Direct Link](#))
- [D-amino acid oxidase activity and expression are increased in schizophrenia.](#)
*Determination of the D-amino acid content in foods and in biological...*14th August, 2008
- Mol Psychiatry. 2008 Jul;13(7):658-60. ([DOI Direct Link](#))
- [High Soluble Expression of D: -Amino Acid Oxidase in Escherichia coli Regulated by a Native Promoter.](#)
*To express high-active soluble D: -amino acid oxidase (DAAO), a...*13th August, 2008
Department of Chemical Engineering, Institute of Biochemical Engineering,- Appl Biochem Biotechnol. 2008 Aug 12. ([DOI Direct Link](#))
- [Alteration of kynurenic acid concentration in rat plasma following optically pure kynurenine administration: A comparative study between enantiomers.](#)
*L-Kynurenine (KYN), a tryptophan metabolite, is metabolized to kynurenic...*26th July, 2008
Division of Bio-Analytical Chemistry, School of Pharmaceutical Sciences,- Chirality. 2008 Jul 24. ([DOI Direct Link](#))
- [Transfection of the DAAO gene and subsequent induction of cytotoxic oxidative stress by D-alanine in 9L cells.](#)
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Department of Surgery, The First Affiliated Hospital, Guangzhou Medical- Oncol Rep. 2008 Aug;20(2):341-6.
- [Chlorpromazine oligomer is a potentially active substance that inhibits human D-amino acid oxidase, product of a susceptibility gene for schizophrenia.](#)
*D-Amino acid oxidase (DAO), a potential risk factor for schizophrenia, has...*11th July, 2008
The Institute for Enzyme Research, The University of Tokushima, Tokushima,- J Enzyme Inhib Med Chem. 2008 Jul 9:1. ([DOI Direct Link](#))
- [A biosensor for all D-amino acids using evolved D-amino acid oxidase.](#)
*Determination of the D-amino acid content in foods and in biological...*1st July, 2008
Dipartimento di Biotecnologie e Scienze Molecolari, Università degli Studi- J Biotechnol. 2008 Jul 31;135(4):377-84. Epub 2008 Jun 8. ([DOI Direct Link](#))

D-Amino-Acid Oxidase Patents:



- 6605201- [Transition metal complexes with bidentate ligand having an imidazole ring and sensor constructed therewith](#)
- 6936417- [Gene expression in bladder tumors](#)
- 6942518- [Small volume in vitro analyte sensor and methods](#)
- 6942771- [Microfluidic systems in the electrochemical detection of target analytes](#)
- 6973706- [Method of making a transcutaneous electrochemical sensor](#)

- 6974667- [Gene expression profiles in liver cancer](#)
- 6975893- [Mass transport limited in vivo analyte sensor](#)
- 6977151- [Electrodes linked via conductive oligomers to nucleic acids](#)
- 6979544- [Molecular wire injection sensors](#)
- 7003340- [Electrochemical analyte sensor](#)
- 7014992- [Conductive oligomers attached to electrodes and nucleoside analogs](#)
- 6881551- [Subcutaneous glucose electrode](#)
- 6833267- [Tissue collection devices containing biosensors](#)
- 6824669- [Protein and peptide sensors using electrical detection methods](#)
- 6616819- [Small volume in vitro analyte sensor and methods](#)
- 6618934- [Method of manufacturing small volume in vitro analyte sensor](#)
- 6654625- [Mass transport limited in vivo analyte sensor](#)
- 6686150- [Amplification of nucleic acids with electronic detection](#)
- 6686164- [Low allergenic protein variants](#)
- 6699667- [Molecular wire injection sensors](#)
- 6740518- [Signal detection techniques for the detection of analytes](#)
- 6749740- [Small volume in vitro analyte sensor and methods](#)
- 6761816- [Printed circuit boards with monolayers and capture ligands](#)
- 6809196- [Molecular recognition at surfaces derivatized with self-assembled monolayers](#)
- 7018523- [Detection of analytes using reorganization energy](#)
- 7033760- [Metallic solid supports modified with nucleic acids](#)
- 7225535- [Method of manufacturing electrochemical sensors](#)
- 7262015- [Identification and characterization of racemases, definition of protein signatures, and a test for detecting D-amino acid and for screening molecules capable of inhibiting the activity of racemase, especially proline racemase](#)
- 7267939- [Detection of analytes using reorganization energy](#)
- 7273727- [Fusion proteins for prodrug activation](#)
- 7312087- [Devices and methods for biochip multiplexing](#)
- 7381184- [Sensor inserter assembly](#)
- 7381525- [AC/DC voltage apparatus for detection of nucleic acids](#)
- 7381533- [Electrodes linked via oligomers to nucleic acids](#)
- 7384749- [Electrodes linked via conductive oligomers to nucleic acids](#)
- 7415358- [Molecular toxicology modeling](#)
- 7220550- [Molecular wire injection sensors](#)
- 7195900- [Cloning and expression of D-amino acid oxidase from arthrobacter protophormiae](#)
- 7172897- [Devices and methods for biochip multiplexing](#)
- 7045285- [Electronic transfer moieties attached to peptide nucleic acids](#)
- 7058437- [Methods of determining concentration of glucose](#)
- 7060495- [Fusion proteins for prodrug activation](#)
- 7074308- [Transition metal complexes with \(pyridyl\)imidazole ligands](#)
- 7087148- [Binding acceleration techniques for the detection of analytes](#)
- 7090756- [Transition metal complexes with bidentate ligand having an imidazole ring](#)
- 7090804- [Amplification of nucleic acids with electronic detection](#)
- 7105310- [Detection of biomolecules by sensitizer-linked substrates](#)
- 7125668- [Electrodes linked via conductive oligomers to nucleic acids](#)
- 7160678- [Compositions for the electronic detection of analytes utilizing monolayers](#)
- 7426441- [Methods for determining renal toxins](#)

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