

Carbonic Anhydrase I

[View the current Carbonic Anhydrase I InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Carbonic_Anhydrase_I.html)

(http://www.bioportfolio.com/indepth/Carbonic_Anhydrase_I.html)

Recent Publications on Carbonic Anhydrase I:



- [Discovery and verification of head-and-neck cancer biomarkers by differential protein expression analysis using iTRAQ labeling, multidimensional liquid chromatography, and tandem mass spectrometry.](#)
*Multidimensional LC-MS/MS has been used for the analysis of biological...*22nd August, 2008
Department of Chemistry, York University, Toronto, Ontario M2J 1P3,- Mol Cell Proteomics. 2008 Jun;7(6):1162-73. Epub 2008 Mar 13. ([DOI Direct Link](#))
- [Analysis of Major Protein-Protein and Protein-Metal Complexes of Erythrocytes Directly from Cell Lysate Utilizing Capillary Electrophoresis Mass Spectrometry.](#)
*The separation and detection of the major protein-protein and...*20th August, 2008
- Anal Chem. 2008 Aug 19. ([DOI Direct Link](#))
- [Serrated Adenoma of the Colorectum Undergoes a Proliferation versus Differentiation Process: New Conceptual Interpretation of Morphogenesis.](#)
*Objective: Serrated adenoma (SA) consists of glands both with intraluminal...*19th August, 2008
Division of Pathology, Central Clinical Laboratory, School of Medicine,- Oncology. 2008 Aug 18;74(3-4):127-134. ([DOI Direct Link](#))
- [Carbonic anhydrase inhibitors: bioreductive nitro-containing sulfonamides with selectivity for targeting the tumor associated isoforms IX and XII.](#)
*2-Substituted-5-nitro-benzenesulfonamides incorporating a large variety of...*29th July, 2008
Istituto di Biostrutture e Bioimmagini-CNR, Napoli, Italy.- J Med Chem. 2008 Jun 12;51(11):3230-7. Epub 2008 May 16. ([DOI Direct Link](#))
- [Carbonic anhydrase inhibition. Insight into the characteristics of zonisamide, topiramate, and the sulfamide cognate of topiramate.](#)
*Some useful therapeutic agents inhibit certain carbonic anhydrase (CA)...*11th July, 2008
Research & Early Development, Johnson & Johnson Pharmaceutical Research &- J Enzyme Inhib Med Chem. 2008 Apr;23(2):271-6. ([DOI Direct Link](#))
- [The effect of ethanol on erythrocyte carbonic anhydrase isoenzymes activity: an in vitro and in vivo study.](#)
*The ethanol is a widely consumed as sedative-hypnotic drug throughout the...*11th July, 2008
Department of Chemistry Education, Erzincan University, Erzincan Education- J Enzyme Inhib Med Chem. 2008 Apr;23(2):266-70. ([DOI Direct Link](#))
- [Investigations of the esterase, phosphatase, and sulfatase activities of the cytosolic mammalian carbonic anhydrase isoforms I, II, and XIII with 4-nitrophenyl esters as substrates.](#)
*The esterase, phosphatase, and sulfatase activities of carbonic anhydrase...*9th July, 2008

Universita degli Studi di Firenze, Laboratorio di Chimica Bioinorganica,- Bioorg Med Chem Lett. 2008 Apr 1;18(7):2267-71. Epub 2008 Mar 7. ([DOI Direct Link](#))

- [The mechanisms by which latanoprost free acid inhibits human carbonic anhydrase I and II.](#)
*Latanoprost, a prostaglandin F2 alpha analogue, has been shown to be an...*20th June, 2008
Department of Pharmaceutical Services, Hiroshima University Hospital,- Biol Pharm Bull. 2008 May;31(5):796-801.
- [Inhibition of carbonic anhydrases with glycosyltriazole benzene sulfonamides.](#)
*A library of glycoconjugate benzene sulfonamides have been synthesized and...*12th June, 2008
Eskitis Institute for Cell and Molecular Therapies, Griffith University,- J Med Chem. 2008 Mar 27;51(6):1945-53. Epub 2008 Feb 29. ([DOI Direct Link](#))
- [Carbonic anhydrase inhibitors: Inhibition of the new membrane-associated isoform XV with phenols.](#)
*Inhibition of the newest isoform of the metalloenzyme carbonic anhydrase...*27th May, 2008
Universita degli Studi di Firenze, Polo Scientifico, Laboratorio di- Bioorg Med Chem Lett. 2008 Jun 15;18(12):3593-6. Epub 2008 May 4. ([DOI Direct Link](#))
- [Carbonic anhydrase inhibitors. Inhibition of the cytosolic and tumor-associated carbonic anhydrase isozymes I, II and IX with some 1,3,4-oxadiazole- and 1,2,4-triazole-thiols.](#)
*Novel mercapto-1,3,4-oxadiazole and -1,2,4-triazole derivatives were...*22nd May, 2008
Organic Chemistry Department, Faculty of Pharmacy, Traian Vuia Street 6,- J Enzyme Inhib Med Chem. 2008 Feb;23(1):101-7. ([DOI Direct Link](#))
- [In vitro inhibition of cytosolic carbonic anhydrases I and II by some new dihydroxycoumarin compounds.](#)
*A new series of 6, 7-dihydroxy-3-(methylphenyl) chromenones, including...*22nd May, 2008
Department of Chemistry, Balikesir University Science & Art Faculty,- J Enzyme Inhib Med Chem. 2008 Feb;23(1):32-6. ([DOI Direct Link](#))
- [The alpha and beta classes carbonic anhydrases from Helicobacter pylori as novel drug targets.](#)
*Helicobacter pylori (H. pylori) successfully resides in the human stomach...*19th April, 2008
Department of Gastroenterology and Hepatology, Kochi Medical School,- Curr Pharm Des. 2008;14(7):622-30.
- [Catalytic inactivation of human carbonic anhydrase I by a metallopeptide-sulfonamide conjugate is mediated by oxidation of active site residues.](#)
*A library of glycoconjugate benzene sulfonamides have been synthesized and...*16th April, 2008
Evans Laboratory of Chemistry, Ohio State University, 100 West 18th- J Am Chem Soc. 2008 Feb 27;130(8):2388-9. Epub 2008 Feb 2. ([DOI Direct Link](#))
- [Use of voltage gradient partial-filling affinity capillary electrophoresis to estimate binding constants of ligands to receptors.](#)
*Voltage gradient partial-filling affinity capillary electrophoresis...*27th February, 2008
Department of Chemistry and Biochemistry, California State University, Los- J Capill Electrophor Microchip Technol. 2007;10(3-4):43-50.

BioNews Results for Carbonic Anhydrase I

- [Nanoparticles: Into the New Frontier](#)
Review of Ophthalmology: Jul 16 2008 7:19AM Matching: carbonic anhydrase



Carbonic Anhydrase I Patents:

- 5439591- [Displacement chromatography process](#)
- 6326161- [Rapid motor for cancer diagnosis](#)
- 6335170- [Gene expression in bladder tumors](#)
- 6337195- [Colon specific genes and proteins](#)
- 6500920- [Inhibitor of transforming growth factor .beta. and A method of inhibiting the biological effects of transforming growth factor](#)
- 6638621- [Coated particles, methods of making and using](#)
- 6790657- [Lentivirus vector system](#)
- 6803203- [DNA-PK assay](#)
- 6831152- [Colon specific genes and proteins](#)
- 6931327- [System and methods for processing analyte sensor data](#)
- 6953658- [Method of diagnosing, monitoring, staging, imaging and treating gastrointestinal cancer](#)
- 6291247- [Methods of screening for factors that disrupt neurotrophin conformation and reduce neurotrophin biological activity](#)
- 6217860- [Gene therapy for solid tumors, papillomas and warts](#)
- 6210574- [System for separation of nucleated fetal erythrocytes from maternal blood samples](#)
- 5545304- [Ion current detector for high pressure ion sources for monitoring separations](#)
- 5631236- [Gene therapy for solid tumors, using a DNA sequence encoding HSV-Tk or VZV-Tk](#)
- 5676849- [Method for enrichment of fetal cell population from maternal whole blood samples](#)
- 5679582- [Screening method for identifying ligands for target proteins](#)
- 5906724- [Apparatus for separation of nucleated blood cells from a blood sample](#)
- 5948278- [System and method for enrichment of rare cell population from whole blood samples](#)
- 5972684- [Carbonic anhydrase VIII](#)
- 6025194- [Nucleic acid sequence of senescence associated gene](#)
- 6066624- [Gene therapy for solid tumors using adenoviral vectors comprising suicide genes and cytokine genes](#)
- 6069299- [Fungus and insect control with chitinolytic enzymes](#)
- 6991809- [Particles with improved solubilization capacity](#)
- 7015210- [Methods of treating ophthalmic disorders with epoxy-steroidal aldosterone receptor antagonists](#)
- 7264926- [Nucleoside Phosphatase](#)
- 7276029- [System and methods for processing analyte sensor data](#)
- 7291461- [Methods for identifying small molecules that modulate premature translation termination and nonsense mRNA decay](#)
- 7300797- [Lysis reagent for blood cell analysis](#)
- 7310544- [Methods and systems for inserting a transcutaneous analyte sensor](#)
- 7329422- [Pharmaceutical compositions](#)
- 7364592- [Biointerface membrane with macro-and micro-architecture](#)
- 7366556- [Dual electrode system for a continuous analyte sensor](#)
- 7379765- [Oxygen enhancing membrane systems for implantable devices](#)
- 7381709- [Method of expressing foreign gene in kidney](#)
- 7256184- [Treatment of aging disorders in humans](#)
- 7226780- [Lentivirus vector system](#)
- 7217570- [Organotypic intestinal culture and methods of use thereof](#)

- 7022896- [Methods and materials for making and using transgenic dicamba-degrading organisms](#)
- 7060275- [Use of protein biomolecular targets in the treatment and visualization of brain tumors](#)
- 7074307- [Electrode systems for electrochemical sensors](#)
- 7105229- [Coated particles, methods of making and using](#)
- 7105724- [Methods and materials for making and using transgenic dicamba-degrading organisms](#)
- 7108778- [Electrochemical sensors including electrode systems with increased oxygen generation](#)
- 7112668- [Polypeptides and nucleic acids encoded thereby](#)
- 7134999- [Optimized sensor geometry for an implantable glucose sensor](#)
- 7147851- [Humanized immunoglobulin reactive with .alpha.4.beta.7 integrin](#)
- 7192450- [Porous membranes for use with implantable devices](#)
- 7402410- [Humanized immunoglobulin reactive with .alpha.4.beta.7 integrin](#)

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 Wessex Barn, Dorchester Road, Frampton, Dorset, DT2 9NB, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2008 - BioPortfolio Limited.

