

# Thermolysin

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Thermolysin is an metalloproteinase enzyme classified under . ([From the Wikipedia article Thermolysin](#).)



## Recent Publications on Thermolysin:

- [Chiral Separation of Racemic Phenylglycines in Thermolysin Crystal: A Molecular Simulation Study.](#)  
*A microscopic understanding of chiral separation mechanisms in liquid...* 10th November, 2009  
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- [Probing for actinase activity of protealysin.](#)  
*The ability of protealysin, a thermolysin-like metallopeptidase from...* 23rd October, 2009  
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- [A 1-megadalton translocation complex containing Tic20 and Tic21 mediates chloroplast protein import at the inner envelope membrane.](#)  
*Chloroplast protein import is mediated by two hetero-oligomeric protein...* 23rd October, 2009  
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- [Determinants for psychrophilic and thermophilic features of metallopeptidases of the M4 family.](#)  
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- [Strain-specific proteolytic processing of the prion protein in prion diseases of ruminants transmitted in ovine transgenic mice.](#)  
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- [Virulence of metalloproteases produced by Vibrio species on Pacific oyster Crassostrea gigas larvae.](#)  
*Vibrio tubiashii, a pathogen of shellfish larvae and juveniles, produces...* 26th September, 2009  
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- [Angiotensin-I converting enzyme inhibitory activity of hydrolysates from oat \(Avena sativa\) proteins by in silico and in vitro analyses.](#)  
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Faculty of Land and Food Systems, The University of British Columbia,- J Agric Food Chem. 2009 Oct 14;57(19):9234-42. ([DOI Direct Link](#))
- [Lanthanide-based fluorogenic peptide substrate for the highly sensitive detection of thermolysin.](#)  
*A new fluorogenic, lanthanide-based oligopeptide substrate for the...* 2nd September, 2009

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- [Development of an Engraftable Skin Equivalent based on Matriderm\(R\) with Human Keratinocytes and Fibroblasts.](#)  
*A cell-based wound coverage with keratinocytes and fibroblasts on the...*28th August, 2009  
Zentrum der Dermatologie und Venerologie, Goethe-Universität, Frankfurt/M.- Handchir Mikrochir Plast Chir. 2009 Aug 26. ([DOI Direct Link](#))
- [A C-terminal cationic fragment derived from an arginine-rich peptide exhibits in vitro antibacterial and anti-plasmodial activities governed by its secondary structure properties.](#)  
*The differential in vitro antimicrobial activity of a 12-residue-long...*25th August, 2009  
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Department of Medicinal Chemistry and Molecular Pharmacology and Bindley- Protein Pept Lett. 2009;16(9):1093-7. Epub 2009 Sep 1.

## Thermolysin Patents:



- 7514397- [Methods for inhibition of membrane-fusion-associated events, including Hepatitis B virus transmission](#)
- 7547675- [Chemically modified polypeptides](#)
- 7547507- [Methods for the diagnosis of tumors](#)
- 7544509- [Method for preparing stem cell preparations](#)
- 7544471- [Preparing RNA from a wax-embedded tissue specimen](#)
- 7541328- [Coupling proteins to a modified polysaccharide](#)
- 7537931- [Humanized anti-ERBB2 antibodies and treatment with anti-ERBB2 antibodies](#)

- 7534757- [Ligand and complex for catalytically bleaching a substrate](#)
- 7521218- [Keratinocyte culturing method and the use thereof](#)
- 7527791- [Humanized anti-TGF-beta antibodies](#)
- 7524937- [WSX receptor agonist antibodies](#)
- 7524627- [Method of generating and/or increasing an immune response against RSV](#)
- 7524489- [Regeneration and repair of neural tissue using postpartum-derived cells](#)
- 7514538- [Compositions and methods for the diagnosis and treatment of tumor](#)
- 7560430- [Elastin digest compositions and methods utilizing same](#)
- 7560441- [Modified and stabilized GDF propeptides and uses thereof](#)
- 7560531- [Cln101 antibody compositions and methods of use alone and in combination with prostate specific antigen and other cancer markers](#)
- 7608697- [Protein hydrolysates enriched in peptides having a carboxy terminal proline residue](#)
- 7560276- [Soft tissue repair and regeneration using postpartum-derived cells](#)
- 7557190- [Optimized proteins that target Ep-CAM](#)
- 7556962- [Saccharide composition purification instrument](#)
- 7553953- [Chimeric, human and humanized anti-CSAp monoclonal antibodies](#)
- 7550474- [Substituted phenyl acetamides and their use as protease inhibitors](#)
- 7547768- [Anti-TAT 113 antibodies](#)
- 7563765- [Histidine-rich glycoprotein](#)
- 7566690- [Ace inhibitory peptides from plant materials](#)
- 7569375- [Alcohol dehydrogenases with increased solvent and temperature stability](#)
- 7589184- [Stable protein storage and stable nucleic acid storage in recoverable form](#)
- 7589216- [Process for preparing N-hydroxyformamido-propyl pyrrolidin compounds and intermediates](#)
- 7590494- [Drug design based on the structure of LTA.sub.4 hydrolase](#)
- 7592439- [Method for making monoclonal antibodies and cross-reactive antibodies obtainable by the method](#)
- 7605168- [PDE4B inhibitors](#)
- 7611704- [Compositions and methods for treating viral infections using antibodies and immunoconjugates to aminophospholipids](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7612040- [Lefty polypeptides and derivatives thereof](#)
- 7612059- [Pyrrolidine bicyclic compounds and its derivatives, compositions and methods of use](#)
- 7615223- [Selected immunoconjugates for binding to aminophospholipids](#)
- 7588910- [Hemoglobin A1c determination method, enzyme to be used therefor, and production method thereof](#)
- 7585953- [Antibodies specific for TAT285-1](#)
- 7569748- [Nucleic acid encoding an insecticidal protein toxin from photorhabdus](#)
- 7572442- [Selected antibody compositions for binding to aminophospholipids](#)
- 7572448- [Combined cancer treatment methods using selected antibodies to aminophospholipids](#)
- 7579315- [Casein peptides for alleviating or preventing aging of skin](#)
- 7579332- [Nucleobase phosphonate analogs for antiviral treatment](#)
- 7582438- [EphB receptor-binding peptides](#)
- 7582445- [Anti-interferon-.alpha. antibodies](#)
- 7585670- [Automated methods for isolating and using clinically safe adipose derived regenerative cells](#)
- 7585673- [.gamma.-heregulin](#)
- 7585859- [PDE4B inhibitors and uses therefor](#)
- 7615383- [Methods for treating neuropathy by agonist anti-trk-C monoclonal antibodies](#)

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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)

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