

Palmitoyl-Coa Hydrolase

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Recent Publications on Palmitoyl-Coa Hydrolase:

- [DNA polymorphisms in bovine fatty acid synthase are associated with beef fatty acid composition.](#)
*The objective of this study was to identify single nucleotide...*4th April, 2008
Department of Biochemistry, Biophysics, and Molecular Biology, Iowa State- Anim Genet. 2008 Feb;39(1):62-70. ([DOI Direct Link](#))
- [SNAP-23 and syntaxin-2 localize to the extracellular surface of the platelet plasma membrane.](#)
*SNARE proteins direct membrane fusion events required for platelet granule...*20th October, 2007
Department of Medicine, Beth Israel Deaconess Medical Center, Harvard- Blood. 2007 Sep 1;110(5):1492-501. Epub 2007 May 7. ([DOI Direct Link](#))
- [The acyl-CoA thioesterase I is regulated by PPARalpha and HNF4alpha via a distal response element in the promoter.](#)
*The cytosolic acyl-coenzyme A thioesterase I (Acot1) is an enzyme that...*18th October, 2007
Karolinska Institutet, Department of Laboratory Medicine, Division of- J Lipid Res. 2007 Aug;48(8):1781-91. Epub 2007 May 7. ([DOI Direct Link](#))
- [Diabetes or peroxisome proliferator-activated receptor alpha agonist increases mitochondrial thioesterase I activity in heart.](#)
*Peroxisome proliferator-activated receptor alpha (PPAR alpha) is a...*16th October, 2007
Department of Physiology and Biophysics, Case Western Reserve University,- J Lipid Res. 2007 Jul;48(7):1511-7. Epub 2007 Apr 16. ([DOI Direct Link](#))
- [Nafamostat is hydrolysed by human liver cytosolic long-chain acyl-CoA hydrolase.](#)
*Although the authors recently reported that nafamostat, a clinically used...*27th September, 2007
Faculty of Pharmaceutical Sciences, Department of Hygienic Chemistry,- Xenobiotica. 2007 Mar;37(3):260-70.
- [Differential 3,5,3'-triiodothyronine-mediated regulation of uncoupling protein 3 transcription: role of Fatty acids.](#)
*T(3) regulates energy metabolism by stimulating metabolic rate and...*12th September, 2007
Dipartimento di Scienze della Vita, Seconda Universita degli Studi di- Endocrinology. 2007 Aug;148(8):4064-72. Epub 2007 May 3. ([DOI Direct Link](#))
- [Alternative exon usage selectively determines both tissue distribution and subcellular localization of the acyl-CoA thioesterase 7 gene products.](#)
*Acyl-CoA thioesterases (ACOTs) catalyze the hydrolysis of acyl-CoAs to...*24th August, 2007
Department of Laboratory Medicine, Division of Clinical Chemistry C1- 74,- Cell Mol Life Sci. 2007 Jun;64(12):1558-70. ([DOI Direct Link](#))
- [Structural basis for recruitment of tandem hotdog domains in acyl-CoA thioesterase 7 and its role in](#)

inflammation.

Acyl-CoA thioesterases (Acots) catalyze the hydrolysis of fatty acyl-CoA... 19th August, 2007
School of Molecular and Microbial Sciences, University of Queensland,- Proc Natl Acad Sci U S A. 2007 Jun 19;104(25):10382-7. Epub 2007 Jun 11. ([DOI Direct Link](#))

- [Identification of a type III thioesterase reveals the function of an operon crucial for Mtb virulence.](#)
Rv0098 is part of an operon, Rv0096-Rv0101, from Mycobacterium... 10th August, 2007
Department of Biochemistry and Biophysics, Texas A&M University, College- Chem Biol. 2007 May;14(5):543-51. ([DOI Direct Link](#))
- [Posttranslational protein palmitoylation: promoting platelet purpose.](#)
Although the authors recently reported that nafamostat, a clinically used... 10th July, 2007
- Arterioscler Thromb Vasc Biol. 2007 Jul;27(7):1496-9. ([DOI Direct Link](#))
- [Activation of a novel long-chain free fatty acid generation and export system in mitochondria of diabetic rat hearts.](#)
A number of reports indicate that a long-chain free fatty acid export... 16th February, 2007
Department of Pharmacology and Cell Biophysics, University of Cincinnati- Am J Physiol Cell Physiol. 2006 Dec;291(6):C1198-207. Epub 2006 Jul 19. ([DOI Direct Link](#))
- [Chronic treatment with trimetazidine reduces the upregulation of atrial natriuretic peptide in heart failure.](#)
Trimetazidine (TMZ) is effective for the treatment of ischemic... 10th February, 2007
Department of Physiology and Biophysics, Case Western Reserve University,- Fundam Clin Pharmacol. 2006 Oct;20(5):503-5. ([DOI Direct Link](#))
- [Palmitoyl transferase activity of lecithin retinol acyl transferase.](#)
Lecithin retinol acyl transferase (LRAT) has the essential role of... 17th October, 2006
Department of Biological Chemistry and Molecular Pharmacology, Harvard- Biochemistry. 2006 Sep 5;45(35):10710-8. ([DOI Direct Link](#))
- [Crystal structure of a putative acyl-CoA thioesterase from Xanthomonas campestris \(XC229\) adopts a tetrameric hotdog fold of epsilongamma mode.](#)
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Institute of Biochemistry, National Chung-Hsing University, Taichung,- Proteins. 2006 Aug 15;64(3):823-6. ([DOI Direct Link](#))
- [Analysis of the mouse and human acyl-CoA thioesterase \(ACOT\) gene clusters shows that convergent, functional evolution results in a reduced number of human peroxisomal ACOTs.](#)
The maintenance of cellular levels of free fatty acids and acyl-CoAs, the... 19th September, 2006
Karolinska Institutet, Department of Laboratory Medicine, Division of- FASEB J. 2006 Sep;20(11):1855-64. ([DOI Direct Link](#))

Palmitoyl-Coa Hydrolase Patents:



- 5871975- [Method for suppressing inhibition of enzyme-mediated nucleic acid amplification reactions by ionic detergents](#)
- 5846701- [Method for suppressing inhibition of enzyme-mediated reactions by ionic detergents using high concentration of non-ionic detergent](#)
- 5766890- [Kits for suppressing inhibition of enzyme-mediated reactions by ionic detergents using high concentrations of non-ionic detergents](#)

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