

Disaccharidases

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Recent Publications on Disaccharidases:



- [Effect of maternal diabetes on postnatal development of brush border enzymes and transport functions in rat intestine.](#)
*AIMS/HYPOTHESIS: The effect of alloxan-induced maternal diabetes has been...*5th November, 2009
Department of Biochemistry, Punjab University, India.- *J Pediatr Gastroenterol Nutr.* 2009 Jul;49(1):8-15. ([DOI Direct Link](#))
- [The effect of short- and long-term fasting on digestive and metabolic flexibility in the Andean toad, *Bufo spinulosus*.](#)
*Hibernation in ectothermic animals was historically considered as a simple...*23rd October, 2009
Seccion Evolucion, Facultad de Ciencias, Universidad de la Republica,- *J Exp Biol.* 2009 Jul;212(Pt 14):2167-75. ([DOI Direct Link](#))
- [Structural and functional changes of sulfated glycosaminoglycans in *Xenopus laevis* during embryogenesis.](#)
*Xenopus laevis is an excellent animal for analyzing early vertebrate...*21st August, 2009
Laboratory of Proteoglycan Signaling and Therapeutics, Hokkaido University- *Glycobiology.* 2009 May;19(5):488-98. Epub 2009 Feb 3. ([DOI Direct Link](#))
- [Comparative effects of dietary administered transgenic and conventional papaya on selected intestinal parameters in rat models.](#)
*Transformation of agricultural crops with novel genes has significantly...*20th August, 2009
Department of Basic Medical Sciences, Biochemistry Section, University of- *Transgenic Res.* 2009 Aug 19. ([DOI Direct Link](#))
- [Adaptive response of equine intestinal Na⁺/glucose co-transporter \(SGLT1\) to an increase in dietary soluble carbohydrate.](#)
*Experimental and epidemiological evidence suggests that consumption of...*19th August, 2009
Epithelial Function and Development Group, Department of Veterinary- *Pflugers Arch.* 2009 Jun;458(2):419-30. Epub 2008 Dec 2. ([DOI Direct Link](#))
- [Microarray analysis of high-glucose diet-induced changes in mRNA expression in jejunums of C57BL/6J mice reveals impairment in digestion, absorption.](#)
*Long term intake of high-glucose diet (HGD) may induce many diseases such...*21st July, 2009
State Key Lab of Food Science and Technology, Jiangnan University, 1800- *Mol Biol Rep.* 2009 Jul 19. ([DOI Direct Link](#))
- [Characterization of alpha, alpha-trehalase released in the intestinal lumen by the probiotic *Saccharomyces boulardii*.](#)
*OBJECTIVE: Trehalose intolerance due to alpha, alpha-trehalase deficiency...*27th March, 2009

Faculty of Medicine, Universite Catholique de Louvain, Laboratory of- Scand J Gastroenterol. 2008;43(12):1489-96. ([DOI Direct Link](#))

- [Ingestion of black chokeberry fruit extract leads to intestinal and systemic changes in a rat model of prediabetes and hyperlipidemia.](#)
*This report presents a complex analysis of changes proceeding in the gut,...*20th February, 2009
Department of Biological Analysis of Food, Institute of Animal- Plant Foods Hum Nutr. 2008 Dec;63(4):176-82. Epub 2008 Aug 23. ([DOI Direct Link](#))
- [Effect of diet containing phytate and phytase on the activity and messenger ribonucleic acid expression of carbohydrase and transporter in chickens.](#)
*The effect of dietary phytate and phytase on carbohydrase activity and...*22nd January, 2009
Faculty of Animal Science and Technology, Gansu Agricultural University,- J Anim Sci. 2008 Dec;86(12):3432-9. Epub 2008 Aug 15. ([DOI Direct Link](#))
- [Computational and experimental analyses of furcatin hydrolase for substrate specificity studies of disaccharide-specific glycosidases.](#)
*Disaccharide-specific glycosidases (diglycosidases) are unique glycoside...*8th January, 2009
The Center for Advanced Medical Engineering and Informatics, Osaka- J Biochem. 2008 Oct;144(4):467-75. Epub 2008 Jul 30. ([DOI Direct Link](#))
- [Rifaximin versus nonabsorbable disaccharides in the management of hepatic encephalopathy: a meta-analysis.](#)
*OBJECTIVE: To compare the positive and negative effects of rifaximin and...*30th December, 2008
Department of Clinical Pharmacy, West China School of hepatic- Eur J Gastroenterol Hepatol. 2008 Nov;20(11):1064-70. ([DOI Direct Link](#))
- [Effect of different non-steroidal anti-inflammatory drugs, aspirin, nimesulide and celecoxib on the disaccharide hydrolases and histoarchitecture of the rat intestinal brush border membrane.](#)
*Non-steroidal anti-inflammatory drugs (NSAIDs) are known to cause...*23rd October, 2008
Department of Biophysics, Panjab University, Chandigarh, 160014, India.- Nutr Hosp. 2008 Jul-Aug;23(4):326-31.
- [Sodium tungstate decreases sucrase and Na⁺/D-glucose cotransporter in the jejunum of diabetic rats.](#)
*Sodium tungstate reduces glycemia and reverts the diabetic phenotype in...*10th October, 2008
Departament de Fisiologia, Facultat de Farmacia, INSA, Universitat de- Am J Physiol Gastrointest Liver Physiol. 2008 Sep;295(3):G479-84. Epub ([DOI Direct Link](#))
- [Development of a 1H NMR structural-reporter-group concept for the primary structural characterisation of alpha-D-glucans.](#)
*An NMR study of proton chemical shift patterns of known linear...*20th August, 2008
Bijvoet Center, Department of Bio-Organic Chemistry, Utrecht University,- Carbohydr Res. 2008 May 5;343(6):1114-9. Epub 2008 Feb 7. ([DOI Direct Link](#))
- [Berberine attenuates intestinal disaccharidases in streptozotocin-induced diabetic rats.](#)
*Previous studies demonstrated anti-diabetic effects of berberine. However,...*23rd July, 2008
Center of Drug Metabolism and Pharmacokinetics, China Pharmaceutical- Pharmazie. 2008 May;63(5):384-8.

Disaccharidases Patents:



- 4407809- [N-phenoxy\(or thio\)hydrocarbon 3,4,5-trihydropiperidine derivatives, their use in medicine](#)

[and in animal nutrition](#)

- 5215927- [Method for immunoselection of cells using avidin and biotin](#)
- 5225353- [Method for immunoselection of cells using avidin and biotin](#)
- 5262334- [Method for immunoselection of cells using avidin and biotin](#)
- 5264356- [Regulating retroviral replication, infection, and pathogenesis](#)
- 5366723- [Method of alleviating toxicity originating from treatment with anticancer platinum compounds](#)
- 5366962- [Low calorie sweetener](#)
- 5643888- [Regulating retroviral replication, infection, and pathogenesis](#)
- 5753622- [Use of epidermal growth factor as a gastrointestinal therapeutic agent](#)
- 5844102- [Glycohydrolase inhibitors, their preparation and use thereof](#)
- 5882685- [Food energy utilization from carbohydrates in animals](#)
- 5103008- [Compound, N-butyl-deoxynojirimycin-6-phosphate](#)
- 5096894- [Rice dextrin oral rehydration solution](#)
- 4429117- [Process for the production of known and new 6-amino-6-deoxy-2,3-O-isopropylidene-.alpha.-L-sorbofuranose derivatives, and intermediate products of the process](#)
- 4465684- [3,4,5-Trihydroxypiperidine compounds and their use as medicaments and in animal nutrition](#)
- 4536493- [Saturated aminocyclitol derivatives, their preparation and medicaments containing these compounds](#)
- 4611058- [Process for the preparation of 1,5-dideoxy-1,5-imino-D-glucitol and N-derivatives thereof](#)
- 4639436- [Antidiabetic 3,4,5-trihydroxypiperidines](#)
- 4758660- [Crystalline erlose](#)
- 4978751- [Low-calorie sweeteners of fructosyl oligosaccharides and the food or dietetic products or drinks containing them](#)
- 4990500- [Oxirane pseudooligosaccharides, a process for their preparation, their use and pharmaceutical preparations](#)
- 5043273- [Phosphorylated glycosidase inhibitor prodrugs](#)
- 5071990- [Preparation of intermediates and the synthesis of N-\(2-hydroxyethyl\)-2-hydroxymethyl-3,4,5-trihydroxypiperidines](#)
- 5912398- [Biomediated continuous release phosphate fertilizer](#)
- 5928686- [Nutrient formulation and process for feeding young poultry and other animals](#)
- 5958455- [Oral solid dosage forms, methods of making same and compositions thereof](#)
- 6733759- [Nutrient formulation and process for enhancing the health, livability, cumulative weight gain or feed efficiency in poultry and other animals](#)
- 6783757- [Composition and method for increasing exorphin catabolism to treat autism](#)
- 6808938- [Method and apparatus for assaying a drug candidate to estimate a pharmacokinetic parameter associated therewith](#)
- 6884421- [Pharmaceutical composition for diabetic nephropathy](#)
- 6998392- [Formulation to treat or prevent parasitic infection](#)
- 7091182- [Method for assisting in differential diagnosis and treatment of autistic syndromes](#)
- 7348000- [Therapeutic compositions and methods of treating glycolipid storage related disorders](#)
- 7435725- [Oral compositions and methods for prevention, reduction and treatment of radiation injury](#)
- 7498318- [Food for diabetics](#)
- 7528153- [Deoxynojirimycin analogues and their uses as glucosylceramidase inhibitors](#)
- 6692913- [Process for determining cell vitality](#)
- 6656907- [Method of treating gastric ulcer by administration of epidermal growth factor](#)
- 5976580- [Nutrient formulation and process for enhancing the health, livability, cumulative weight gain or feed efficiency in poultry and other animals](#)
- 5981590- [Oral glutamine in the prevention of neonatal necrotizing enterocolitis and other gastrointestinal mucosal damage](#)
- 5985336- [Nutrient formulation and process for feeding young poultry and other animals](#)
- 5989882- [Processes for preparing acarviosyl transferase and for using it in the conversion of acarbose homologues into acarbose, for the preparation of acarbose homologues](#)

- 6020310- [Method for assisting in differential diagnosis and treatment of autistic syndromes](#)
- 6210718- [Nutrient formulation and process for enhancing the health, livability, cumulative weight gain or feed efficiency in poultry and other animals](#)
- 6329001- [Nutrient formulation and process for enhancing the health, livability, cumulative weight gain or feed efficiency in poultry and other animals](#)
- 6455511- [Compositions for use in rehydration and nutrition during athletic exercise and methods of making same](#)
- 6498143- [Method for assisting in differential diagnosis and treatment of autistic syndromes](#)
- 6632648- [Methods of terminal sterilization of fibrinogen](#)
- 7560443- [Mixtures of fructose, sucrose and lactose as a low-calorie bulk sweetener with reduced glycemic index](#)

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