

# Iduronate Sulfatase

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## Recent Publications on Iduronate Sulfatase:

- [Enzyme replacement therapy with idursulfase in patients with mucopolysaccharidosis type II.](#)  
*Mucopolysaccharidosis type II (MPS II; Hunter syndrome) is a rare X-linked...*24th September, 2008  
Royal Manchester Children's Hospital, Manchester, UK.- *Acta Paediatr Suppl.* 2008 Apr;97(457):76-8. ([DOI Direct Link](#))
- [Idursulfase: a poor risk-benefit balance in type II mucopolysaccharidosis.](#)  
*Weekly infusions of idursulfase have no tangible benefit in boys with type...*15th August, 2008  
- *Prescrire Int.* 2008 Jun;17(95):109.
- [Mucopolysaccharidosis type II \(Hunter syndrome\): a clinical review and recommendations for treatment in the era of enzyme replacement therapy.](#)  
*Mucopolysaccharidosis type II (MPS II; Hunter syndrome) is a rare X-linked...*8th August, 2008  
Willink Biochemical Genetics Unit, Royal Manchester Children's Hospital,- *Eur J Pediatr.* 2008 Mar;167(3):267-77. Epub 2007 Nov 23. ([DOI Direct Link](#))
- [Early response to idursulfase treatment in a 3 year-old boy affected of Hunter syndrome.](#)  
*We present a 3-year-old boy affected with Hunter syndrome. When we first...*5th August, 2008  
- *Eur J Med Genet.* 2008 May-Jun;51(3):268-71. Epub 2008 Mar 4. ([DOI Direct Link](#))
- [Molecular investigations of a novel iduronate-2-sulfatase mutant in a Chinese patient.](#)  
*BACKGROUND: Molecular investigations of iduronate-2-sulfatase (IDS)...*1st August, 2008  
Department of Chemical Pathology, The Chinese University of Hong Kong,- *Clin Chim Acta.* 2008 Jun;392(1-2):8-10. Epub 2008 Apr 8. ([DOI Direct Link](#))
- [Idursulfase for the treatment of mucopolysaccharidosis II.](#)  
*Human recombinant proteins are being used to treat an increasing number of...*9th April, 2008  
University of British Columbia and the Child and Family Research- *Expert Opin Pharmacother.* 2008 Feb;9(2):311-7. ([DOI Direct Link](#))
- [\[Clinical study of enzyme replacement therapy with idursulfase\]](#)  
*INTRODUCTION: Important advances have been made in enzyme replacement...*3rd April, 2008  
Hospital Infantil Universitario Nino Jesus, 28009 Madrid, Espana.- *Rev Neurol.* 2007 Feb 19;44 Suppl 1:S7-S11.
- [Idursulfase in Hunter syndrome treatment.](#)  
*Hunter syndrome (mucopolysaccharidosis II, MPS II) is a rare X-linked...*7th March, 2008  
Department of Environmental Medicine, University of Rochester, School of- *Drugs Today (Barc).* 2007 Nov;43(11):759-67. ([DOI Direct Link](#))
- [Enzyme reconstitution/replacement therapy for lysosomal storage diseases.](#)  
*PURPOSE OF REVIEW: Over the past 15 years, the lysosomal storage diseases...*26th February,

2008

Division of Human Genetics, Cincinnati Children's Hospital Medical Center- *Curr Opin Pediatr.* 2007 Dec;19(6):628-35. ([DOI Direct Link](#))

- [\[Computational prediction of the tertiary structure of the human iduronate 2-sulfate sulfatase\]](#)  
*INTRODUCTION: Hunter syndrome (MC KUSIK 309900) or mucopolysaccharidosis...30th October, 2007*  
Instituto de Errores Innatos del Metabolismo, Facultad de Ciencias,- Biomedica. 2007 Mar;27(1):7-20. Epub 2007 May 31. ([DOI Direct Link](#))
- [Murine model \(Galns\(tm\(C76S\)slu\)\) of MPS IVA with missense mutation at the active site cysteine conserved among sulfatase proteins.](#)  
*Mucopolysaccharidosis IVA (MPS IVA) is an autosomal recessive disorder...27th September, 2007*  
Department of Pediatrics, Saint Louis University, Pediatric Research- *Mol Genet Metab.* 2007 Jul;91(3):251-8. Epub 2007 May 10. ([DOI Direct Link](#))
- [Preclinical dose ranging studies for enzyme replacement therapy with idursulfase in a knock-out mouse model of MPS II.](#)  
*Mucopolysaccharidosis II (MPS II; Hunter syndrome) is an X-linked...28th July, 2007*  
Shire Human Genetic Therapies, Inc., Preclinical Research, 700 Main- *Mol Genet Metab.* 2007 Jun;91(2):183-90. Epub 2007 Apr 24. ([DOI Direct Link](#))
- [\[Overview of enzyme replacement therapy in mucopolysaccharidosis\]](#)  
*Mucopolysaccharidosis are rare, multisystemic and progressive diseases...29th June, 2007*  
Centre de Reference des Maladies Hereditaires du Metabolisme, Hopital- *Presse Med.* 2007 Mar;36 Spec No 1:1S96-9.
- [Treatment for Hunter syndrome approved.](#)  
*INTRODUCTION: Important advances have been made in enzyme replacement...21st March, 2007*  
- *FDA Consum.* 2006 Sep-Oct;40(5):4.
- [First treatment for Hunter syndrome.](#)  
*INTRODUCTION: Important advances have been made in enzyme replacement...17th March, 2007*  
- *FDA Consum.* 2006 Nov-Dec;40(6):5.

#### Iduronate Sulfatase Clinical Trials:



- [Extension of Study TKT024 Evaluating Long-Term Safety and Clinical Outcomes in MPS II Patients Receiving Idursulfase](#)  
*Hunter Syndrome; Mucopolysaccharidosis II*

#### Iduronate Sulfatase Patents:



- 6005004- [Lipophilic-polycationic delivery systems](#)

- 6730297- [Use of recombinant gene delivery vectors for treating or preventing lysosomal storage disorders](#)
- 6743779- [Methods for delivering compounds into a cell](#)
- 6797265- [Deleted adenovirus vectors and methods of making and administering the same](#)
- 6846968- [Production of lysosomal enzymes in plants by transient expression](#)
- 6858425- [Human acid alpha glucosidase gene and bovine alpha-S1 casein gene sequences](#)
- 6887696- [Production of lysosomal enzymes in plants by transient expression](#)
- 6890748- [Production of lysosomal enzymes in plants by transient expression](#)
- 6946126- [Replicating adenovirus vectors](#)
- 6979563- [Attenuation of tumor growth, metastasis and angiogenesis](#)
- 7018628- [Vectors derived from baculovirus and use for transferring nucleic acids into nerve cells of vertebrates](#)
- 6670194- [Rapid quantitative analysis of proteins or protein function in complex mixtures](#)
- 6638767- [Methods for delivering compounds into a cell](#)
- 6630295- [High throughput assay for monitoring polycation or polyanion molecular weight, degradation or synthesis](#)
- 6066626- [Compositions and method for treating lysosomal storage disease](#)
- 6083725- [Transfected human cells expressing human .alpha.-galactosidase A protein](#)
- 6118045- [Lysosomal proteins produced in the milk of transgenic animals](#)
- 6153187- [Use of glycosaminoglycans degrading enzymes for management of airway associated diseases](#)
- 6303770- [Nucleic acids encoding mammalian alpha helical protein-1](#)
- 6328958- [Deleted adenovirus vectors and methods of making and administering the same](#)
- 6395884- [Therapy for .alpha.-galactosidase a deficiency](#)
- 6423312- [Compositions including glycosaminoglycans degrading enzymes and use of same against surface protected bacteria](#)
- 6472212- [Methods and compositions for genetically modifying primate bone marrow cells](#)
- 6566099- [Nucleic acid encoding a chimeric polypeptide](#)
- 7034010- [Use of recombinant gene delivery vectors for treating or preventing lysosomal storage disorders](#)
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- 7351410- [Treatment of Pompe's disease](#)
- 7361481- [Diagnosis of lysosomal storage disorders using saposins and other markers](#)
- 7364565- [Controlled enzymatic removal and retrieval of cells](#)
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- 7071172- [Secretion signal vectors](#)
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- 7125843- [Glycoconjugates including more than one peptide](#)
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- 7157277- [Factor VIII remodeling and glycoconjugation of Factor VIII](#)
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- 7179617- [Factor IX: remolding and glycoconjugation of Factor IX](#)
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- 7214660- [Erythropoietin: remodeling and glycoconjugation of erythropoietin](#)
- 7416858- [Pharmaceutical compositions of glycoconjugates](#)

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