MARKETING

2001-08-03

MARKETING

Not applicable

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↑↓ END



Agalsidase beta (Targets (1))

Products

https://www.aragoanicoararago/bbos/oo_powder, for_

ENTIFICATION				
Name	Agalsidase beta			
Accession Number	DB00103 (BTD00075, BIOD00075)			
Туре	Biotech			
Groups	Approved, Investigational			
Biologic Classification	Protein Based Therapies Recombinant Enzymes			
Description	Recombinant human alpha-galactosidase A. The mature protein is composed of 2 subunits of 398 residues. Protein is glycosylated and produced by CHO cells			
Protein structure Protein chemical	C ₂₀₂₉ H ₃₀₈₀ N ₅₄₄ O ₅₈₇ S ₂₇			
Protein average weight	45351.6 Da			
Sequences	>DB00103 sequence LDNGLARTPTMGWLHWERFMCNLDCQEEPDSCISEKLFMEMAELMVSEGWKDAGYEYLCI DDCWMAPQRDSEGRLQADPQRFPHGIRQLANYVHSKGLKLGIYADVGNKTCAGFPGSFGY YDIDAQTFADWGVDLLKFDGCYCDSLENLADGYKHMSLALNRTGRSIVYSCEWPLYMWPF QKPNYTEIRQYCNHWRNFADIDDSWKSIKSILDWTSFNQERIVDVAGPGGWNDPDMLVIG NFGLSWNQQVTQMALWAIMAAPLFMSNDLRHISPQAKALLQDKDVIAINQDPLGKQGYQL RQGDNFEVWERPLSGLAWAVAMINRQEIGGPRSYTIAVASLGKGVACNPACFITQLLPVK RKLGFYEWTSRLRSHINPTGTVLLQLENTMQMSLKDLL DOWNload FASTA Format			
Synonyms	Agalsidasa alfa Agalsidasa beta Agalsidase alfa Alpha-galactosidase A			
Prescription	Show 10 entries	Search		

NAME ↑ DOSAGE ↑ STRENGTH ↑ ROUTE ↑ LABELLER ↑ START

Intravenous Genzyme

Europe Bv

5 mg

Fabrazyme Injection,

						Drugs	<u> </u>	
		powder, for solution			Europe Bv			
	Fabrazyme		5 mg/1mL	Intravenous	Genzyme Corporation	2008-12-17	Not applicable	
	Fabrazyme	Injection, powder, for solution	5 mg	Intravenous	Genzyme Europe Bv	2001-08-03	Not applicable	
	Fabrazyme	Powder, for solution	35 mg	Intravenous	Sanofi Genzyme, a Division of Sanofi Aventis Canada Inc	2004-04-08	Not applicable	[+]
	Fabrazyme	Injection, powder, lyophilized, for solution	5 mg/1mL	Intravenous	Genzyme Corporation	2008-12-17	Not applicable	
	Fabrazyme	Injection, powder, for solution	35 mg	Intravenous	Genzyme Europe Bv	2001-08-03	Not applicable	
	Fabrazyme	Powder, for solution	5 mg	Intravenous	Sanofi Genzyme, a Division of Sanofi Aventis Canada Inc	2004-09-17	Not applicable	I+I
	Fabrazyme	Injection, powder, for solution	5 mg	Intravenous	Genzyme Europe Bv	2001-08-03	Not applicable	
	Fabrazyme	Injection, powder, for solution	35 mg	Intravenous	Genzyme Europe Bv	2001-08-03	Not applicable	0
	Showing 1 to	o 10 of 14 ent	ries				<u><</u> 1	<u>2</u> >
Categories	Alimentary Tract and Metabolism Fabry Disease				Hydrolytic Lysosom: Glycosphingolipid-s			
	Amino Acids, Peptides, and Galactosidases Proteins				<u>Enzyme</u>			
	Glycoside Hydrolases Enzymes						<u>Protein Isoforms</u>	
		<u>Hydrolases</u> nd Coenzymes				<u>Proteins</u>		
UNII	RZD65TSM9U							
CAS number	104138-64-9							
HARMACOLOGY								
Indication	For treatme	ent of Fabry	's disease (al	pha-galactosid	ase A deficien	cy)		
Associated Conditions	For treatment of Fabry's disease (alpha-galactosidase A deficiency) Fabry's Disease							
Pharmacodynamics	Used in the treatment of Fabry disease, an X-linked genetic disorder of glycosphingolipid metabolism. The disease is characterized by a deficiency of the lysosomal enzyme alphagalactosidase A, which leads to progressive accumulation of glycosphingolipids, predominantly GL-3, in many body tissues. Clinical manifestations of Fabry disease include renal failure,							

cardiomyopathy, and cerebrovascular accidents. Fabrazyme is intended to provide an exogenous

Drugs ·)

agalasidase beta in preventing morbidity.

Mechanism of action

Alpha-galactosidase A catalyzes the hydrolysis of globotriaosylceramide (GL-3) and other a-galactyl-terminated neutral glycosphingolipids, such as galabiosylceramide and blood group B substances to ceramide dihexoside and galactose.



action	substances to ceramide dihexoside and galactose.				
	TARGET	AC	TIONS	ORGANISM	
	(A) Globotriaosylceramide	liga	and	Humans	
Absorption	Not Available				
Volume of distribution	Not Available				
Protein binding	Not Available				
Metabolism	Not Available				
Route of elimination	Not Available				
Half life	45-102 min				
Clearance	 4.1 +/- 1.2 mL/min/kg [adult path 4.6 +/- 2.2 mL/min/kg [adult path 2.1 +/- 0.7 mL/min/kg [adult path 3.2 +/- 2.6 mL/min/kg [adult path 0.8 +/- 0.3 mL/min/kg [adult path 0.8 +/- 0.4 mL/min/kg [adult path 1.8 +/- 0.8 mL/min/kg [Pediatric 4.9 +/- 5.6 mL/min/kg [Pediatric 2.3 +/- 2.2 mL/min/kg [Pediatric 	tients with Fabry disease, (tients with Fabry disease, 2 tients with Fabry disease, 2 tients with Fabry disease, 3 tients with Fabry disease, 3 Patients with Fabry Disea Patients with Fabry Disea	0.3 mg/kg, 5 1 mg/kg, 1 ir 1 mg/kg, 5 ir 3 mg/kg, 1 ir 3 mg/kg, 5 ir se, 1 mg/kg se, 1 mg/kg	infusions] infusion] infusions] infusions] infusions] infusions] infusions] infusions]	
Toxicity	Not Available				
Affected organisms	Humans and other mammals				
Pathways	Not Available				
Pharmacogenomic Effects/ADRs ①	Not Available				

INTERACTIONS

Drug Interactions

ALL DRUGS

APPROVED VET

VET APPROVED

NUTRACEUTICAL

<u>ILLICIT</u>

WITHDRAWN

INVESTIGATIONAL EXPERIMENTAL

DRUG Note The therapeutic efficacy of Agalsidase beta can be decreased when used in combination with Amiodarone.

Chloroquine The therapeutic efficacy of Agalsidase beta can be decreased when used in combination with Chloroquine.

Gentamicin The therapeutic efficacy of Agalsidase beta can be decreased when used in combination with Gentamicin.

(Drugs)

Search

Food Interactions Not Available

REFERENCES

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General References

- 1. Schaefer RM, Tylki-Szymanska A, Hilz MJ: Enzyme replacement therapy for Fabry disease: a systematic review of available evidence. Drugs. 2009 Nov 12;69(16):2179-205. doi: 10.2165/11318300-00000000-00000. [PubMed:19852524]
- 2. El Dib RP, Pastores GM: Enzyme replacement therapy for Anderson-Fabry disease. Cochrane Database Syst Rev. 2010 May 12;(5):CD006663. doi: 10.1002/14651858.CD006663.pub2. [PubMed:20464743]
- 3. Lim-Melia ER, Kronn DF: Current enzyme replacement therapy for the treatment of lysosomal storage diseases. Pediatr Ann. 2009 Aug;38(8):448-55. [PubMed:19725195]

External Links

UniProt	<u>P06280</u>
Genbank	<u>X14448</u>
PubChem Substance	46508538
ChEMBL	CHEMBL2108888
PharmGKB	PA164746527
RxList	RxList Drug Page
Drugs.com	<u>Drugs.com Drug Page</u>
Wikipedia	<u>Agalsidase_beta</u>

ATC Codes

<u>A16AB03 — Agalsidase alfa</u>

- A16AB Enzymes
- A16A OTHER ALIMENTARY TRACT AND METABOLISM PRODUCTS
- A16 OTHER ALIMENTARY TRACT AND METABOLISM PRODUCTS
- A ALIMENTARY TRACT AND METABOLISM

<u>A16AB04 — Agalsidase beta</u>

- A16AB Enzymes
- A16A OTHER ALIMENTARY TRACT AND METABOLISM PRODUCTS
- A16 OTHER ALIMENTARY TRACT AND METABOLISM PRODUCTS
- A ALIMENTARY TRACT AND METABOLISM

entries

AHFS Codes

44:00.00 — Enzymes

FDA label

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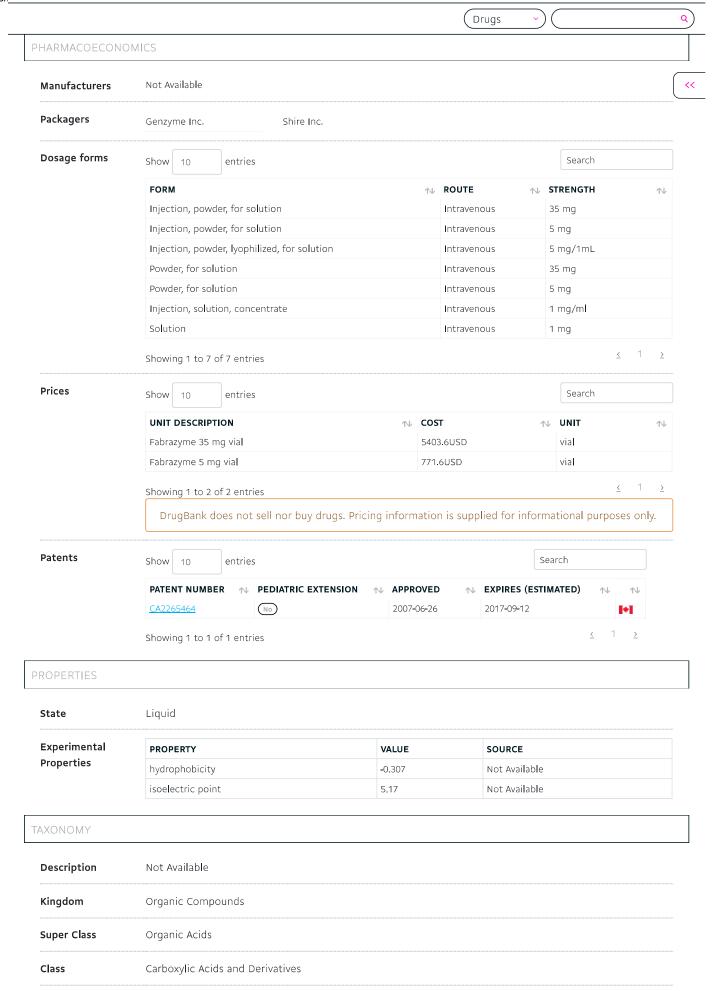
10

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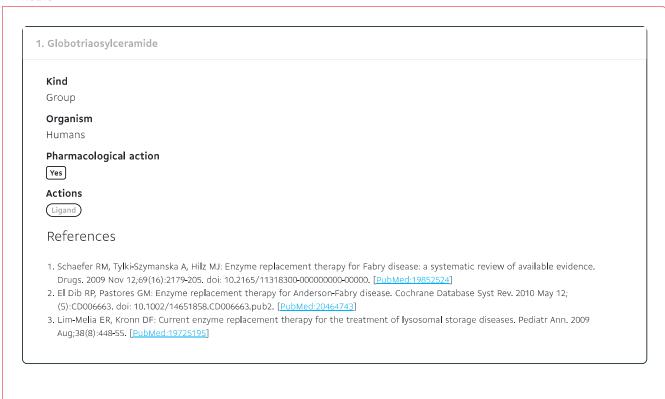
CLINICAL TRIALS

Clinical Trials ①









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This project is supported APM to Canadian Institutes of Health Research (award #111062), Alberta Innovates - Health Solutions, and by The Metabolomics Innovation Centre (TMIC), a nationally-funded research and core facility that sup<u>ចលុក្រគ្នលាម</u>vide range of cutting-edge metabolomic studies. TMIC is funded by **Genome Alberta**, **Genome British Columbia**, and **Genome Canada**, a not-for-profit organization that is leading Canada's national genomics strategy with funding from the federal government. Maintenance, support, and commercial licensing is provided by **OMx Personal Health Analytics, Inc.** Designed by **Educe** Design & Innovation Inc.







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