

Imiglucerase

Targets (1)

IDENTIFICATION

Name	Imiglucerase
Accession Number	DB00053 (BTD00026, BIOD00026)
Туре	Biotech
Groups	Approved
Biologic Classification	Protein Based Therapies Recombinant Enzymes
Description	Human Beta-glucocerebrosidase or Beta-D-glucosyl-N-acylsphingosine glucohydrolase E.C. 3.2.1.45. 497 residue protein with N-linked carbohydrates, MW=59.3 kD. Alglucerase is prepared by modification of the oligosaccharide chains of human Beta-glucocerebrosidase. The modification alters the sugar residues at the non-reducing ends of the oligosaccharide chains of the glycoprotein so that they are predominantly terminated with mannose residues.

Protein structure



Protein	chemical
formula	

 $\mathsf{C}_{2532}\mathsf{H}_{3854}\mathsf{N}_{672}\mathsf{O}_{711}\mathsf{S}_{16}$

Protein average weight

55597.4 Da

Sequences

>DB00053 sequence

ARPCIPKSFGYSSVVCVCNATYCDSFDPPTFPALGTFSRYESTRSGRRMELSMGPIQANH
TGTGLLLTLQPEQKFQKVKGFGGAMTDAAALNILALSPPAQNLLLKSYFSEEGIGYNIIR
VPMASCDFSIRTYTYADTPDDFQLHNFSLPEEDTKLKIPLIHRALQLAQRPVSLLASPWT
SPTWLKTNGAVNGKGSLKGQPGDIYHQTWARYFVKFLDAYAEHKLQFWAVTAENEPSAGL
LSGYPFQCLGFTPEHQRDFIARDLGPTLANSTHHNVRLLMLDDQRLLLPHWAKVVLTDPE
AAKYVHGIAVHWYLDFLAPAKATLGETHRLFPNTMLFASEACVGSKFWEQSVRLGSWDRG
MQYSHSIITNLLYHVVGWTDWNLALNPEGGPNWVRNFVDSPIIVDITKDTFYKQPMFYHL
GHFSKFIPEGSQRVGLVASQKNDLDAVALMHPDGSAVVVVLNRSSKDVPLTIKDPAVGFL
ETISPGYSIHTYLWRRQ

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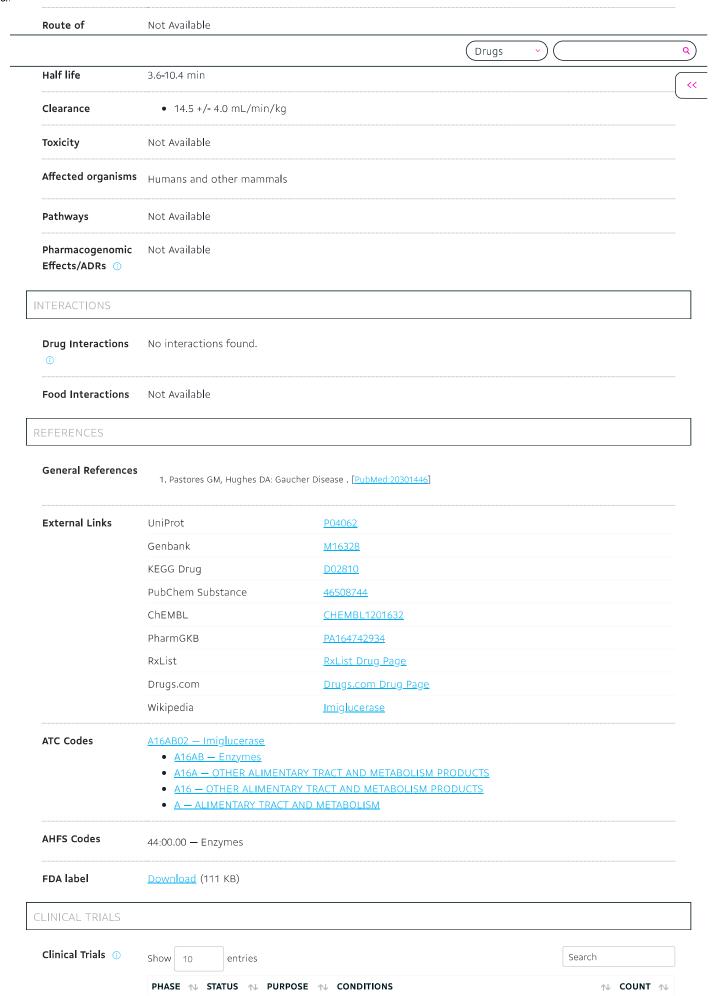
Synonyms Imiglucerasa External IDs (1) ISU-302 Prescription Show 10 entries Search Products

						MARKETING	MARKETING		
	NAME $\uparrow \downarrow$	$DOSAGE \ ^{ \biguplus }$	$STRENGTH \! \uparrow \! \! \downarrow$	ROUTE ↑↓	$\textbf{LABELLER} \ ^{\uparrow \downarrow}$	START 1	END 1	↓ ↑ ↓	$\uparrow \downarrow$
https://www.aragoarm.oa/arago/DD	Cerezyme	Powder, for	400 unit	Intravenous	Sanofi	2000-06-14	Not applicable	[+]	

Not Available

Protein binding

https://www.urugparin.oa/arugo/ppooco



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PROPERTY VALUE SOURCE
isoelectric point 7.41 Not Available

Drugs

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IAXONOMY

Not Available Description Kingdom Organic Compounds **Super Class** Organic Acids Class Carboxylic Acids and Derivatives **Sub Class** Amino Acids, Peptides, and Analogues **Direct Parent** Peptides **Alternative Parents** Not Available **Substituents** Not Available Molecular Not Available Framework External Not Available

TARGETS

Descriptors

1. Glucocerebroside

Kind

Small molecule

Organism

Humans

Pharmacological action

Yes

Actions

Other/unknown

References

1. Pastores GM, Hughes DA: Gaucher Disease . [PubMed:20301446]

Drug created on June 13, 2005 07:24 / Updated on April 13, 2019 20:58

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Drugs

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