

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL:

USAN	ALGLUCOSIDASE ALFA
PRONUNCIATION	al gloo kose' i dase
THERAPEUTIC CLAIMS	treatment of Pompe's disease (enzyme replacement therapy)
CHEMICAL NAMES	
	1. glucosidase, prepro- α -[199-arginine,223-histidine] (human)
	2. [199-arginine,223-histidine]prepro- α -glucosidase (human)
STRUCTURAL FORMULA	
	(See page 2)
MOLECULAR FORMULA	$C_{4758}H_{7262}N_{1274}O_{1369}S_{35}$
MOLECULAR WEIGHT	105338
TRADEMARK	Unknown as yet
MANUFACTURER	Genzyme Corporation
CODE DESIGNATION	rhGAA
<u>CAS</u> REGISTRY NUMBER	420784-05-0

ALGLUCOSIDASE ALFA

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AMINO ACID SEQUENCE

MGVRHPPCSH	RLLAVCALVS	LATAALLGHI	LLHDFLLVPR
ELSGSSPVLE	ETHPAHQQGA	SRPGPRDAQA	HPGRPRAVPT
QCDVPPNSRF	DCAPDKAITQ	EQCEARGCCY	IPAKQGLQGA
QMGQPWCFFP	PSYPSYKLEN*	LSSSEMGYTA	TLTRTTPTFP
PKDILTLRLD	VMMETENRLH	FTIKDPANRR	YEVPLETPRV
HSRAPSPLYS	VEFSEEPFGV	IVHRQLDGRV	LLN [*] TTVAPLF
FADQFLQLST	SLPSQYITGL	AEHLSPLMLS	TSWTRITLWN
RDLAPTPGAN	LYGSHPFYLA	LEDGGS AHGV	FLLNSNAMDV
VLQPSPALSW	RSTGGILDVY	IFLGPEPKSV	VQQYLDVVGY
PFMPYWG LG	FHLCRWGYSS	TAITRQVVEN*	MTRAHFPLDV
QWNLDY MDS	RRDFTFNKDG	FRDFPAMVQE	LHQGRRYMM
IVDPAISSSG	PAGSYRPYDE	GLRRGVFITN	ETGQPLIGKV
WPGSTAFPDP	TNPTALAWWE	DMVAEFHDQV	PDFGMWIDMN
EPSNFIRGSE	DGCPNNELEN	PPYVPGVVG	TLQAATICAS
SHQFLSTHYN	LHNLYGLTEA	IASHRALVKA	RGTRPFVISR
STFAGHGRYA	GHWTGDVWSS	WEQLASSVPE	ILQFNLLGVP
LVGADVCGFL	GNTSEELCVR*	WTQLGAFYPF	MRNHNSLLSL
PQEPYSFSEP	AQQAMRKALT	LRYALLPHLY	TLFHQAHVAG
ETVARPLFLE	FPKDSSTWTV	DHQLLWGEAL	LITPVLQAGK
AEVTGYFPLG	TWYDLQTVPI	EALGSLPPP	AAPREPAIHS
EGQWVTL PAP	LDTINVHLRA	GYIIPLQGPG	LTTTESRQQP
MALAVALT KG	GEARGELFWD	DGESLEVLER	GAYTQVIFLA
R [*] NNTIVNELV	RVTSEGAGLQ	LQKVTVLGVA	TAPQQVLSNG
VPVSN [*] FTYSP	DTKVLDICVS	LLMGEQFLVS	WC

* glycosylation sites