

May 30, 2012

## STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL:

USAN (bc-122)  
Formerly YY-129

ELOSULFASE ALFA

PRONUNCIATION

el" oh sul' fase

THERAPEUTIC CLAIM

Treatment of Morquio Syndrome

## CHEMICAL NAMES

1. Sulfatase, chondroitin
2. Human *N*-acetylgalactosamine-6-sulfatase (chondroitinsulfatase, galactose-6-sulfate sulfatase, EC=3.1.6.4) dimer (produced by CHO cells)

## STRUCTURAL FORMULA

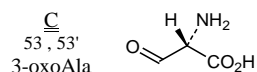
## Monomer

APQPPNILLL	LMDDMGWGD	GVYGEPSRET	PNLDRMAAEG	LLFPNFYSAN	50
PLQSPSRAAL	LTGRLPIRNG	FYTTNAHARN	AYTPQEIVGG	IPDSEQLLPE	100
LLKKAGYVSK	IVGKWHLGHR	PQFHPLKHGF	DEWFGSPNCH	FGPYDNKARP	150
NIPVYRDWEM	VGRYYEEFPI	NLKTGEANLT	QIYLQEALDF	IKRQARHHPF	200
FLYWAVDATH	APVYASKPFL	GTSQRGRYGD	AVREIDDSIG	KILELLQDLH	250
VADNTFVFFT	SDNGAALISA	PEQGGSNPFP	LCGKQTFEFG	GMREPALAWW	300
PGHVTTAGQVS	HQLGSIMDLF	TTSLALAGLT	PPSDRAIDGL	NLLPTLLQGR	350
LMDRPIFYR	GDTLMAATLG	QHKAHFWTWT	NSWENFRQGI	DFCPGQNVSG	400
VTTHNLEDHT	KLPLIFHLGR	DPGERFPLSF	ASAEYQEALS	RITSVVQQHQ	450
EALVPAQPQL	NVCNWAVMNW	APPGCEKLGK	CLTPPESIPK	KCLWSH	496

## Disulfide bridges

282-393 282'-393' 463-492 463'-492' 475-481 475'-481'

## Modified residues



## Glycosylation sites (N)

Asn-178 Asn-178' Asn-397 Asn-397'

MOLECULAR FORMULA

 $C_{5020}H_{7572}N_{1364}O_{1420}S_{32}$ 

MOLECULAR WEIGHT

110.8 kDa (dimer)

TRADEMARK

None as yet

SPONSOR

BioMarin Pharmaceutical Inc.

CODE DESIGNATION

BMN 110, rhGALNS

CAS REGISTRY NUMBER

9025-60-9

WHO NUMBER

9686

gbk