

February 25, 2015

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

USAN (BC-01) LANDOGROZUMAB

PRONUNCIATION lan" doe groz' ue mab

THERAPEUTIC CLAIM Treatment of muscle wasting disorders

## CHEMICAL NAMES

1. Immunoglobulin, anti-(human growth differentiation factor 8) (human-*Mus musculus* monoclonal LY2495655 heavy chain), disulfide with human-*Mus musculus* monoclonal LY2495655  $\kappa$ -chain, dimer
2. Immunoglobulin G4-kappa, anti-(human growth/differentiation factor 8 (GDF-8, myostatin)); humanized mouse monoclonal antibody:  $\gamma$ 4 heavy chain (1-439) [human VH (IGHV3-23\*04 (90%) –IGHJ4\*01 [8.8.6] (1-113)) –IGHG4\*01 H S<sup>10</sup>>P(221) CH3 K107>-(440) (114-439)] (140-215')-disulfide with  $\kappa$  light chain (1'-215') [human V-KAPPA (IGKV3-20\*01 (89%) –IGKJ4\*01 [7.3.9] (1'-108')) –IGKC\*01 (109'-215')] dimer (219-219":222-222")-bisdisulfide

## STRUCTURAL FORMULA

## Heavy chain

EVQLVESGGG	LVQPGGSLRL	SCAASGLTFS	RYPMSWVRQA	PGKGLVWVSA	50
ITSSGGSTYY	SDTVKGRFTI	SRDNAKNTLY	LQMNSLRAED	TAVYYCARLP	100
DYWGQGTLVV	VSSASTKGPS	VFPLAPCSRS	TSESTAALGC	LVKDYFPEPV	150
TVSWNSGALT	SGVHTFPAVL	QSSGLYSLSS	VVTVPSSSLG	TKTYTCNVDH	200
KPSNTKVDKR	VESKYGPPCP	PCPAPEFLGG	PSVFLFPPKP	KDTLMISRTP	250
EVTCVVDVVS	QEDPEVQFNW	YVDGVEVHNA	KTKPREEQFN	STYRVVSVLT	300
VLHQDWLNGK	EYKCKVSNKG	LPSSIEKTIS	KAKGQPREPQ	VYTLPPSQEE	350
MTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPV	LDSDGSFFLY	400
SRLTVDKSRW	QEGNVFSCSV	MHEALHNHYT	QKSLSLSLG		439

## Light chain

EIVLTQSPGT	LSLSPGERAT	LSCRASSSVS	SSYLHWYQQK	PGQAPRLLIY	50'
STSNLVAGIP	DRFSGSGSGT	DFTLTISRLE	PEDFAVYYCQ	HHSYGHFTFG	100'
GGTKVEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVVCLLNPF	YPREAKVQWK	150'
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKH	KVYACEVTHQ	200'
GLSSPVTKSF	NRGEC				215'

## Disulfide bridges

22-96	22"-96"	23'-89'	23"-89"	127-215'	127"-215"	135'-195'	135"-195"
140-196	140"-196"	219-219"	222-222"	254-314	254"-314"	360-418	360"-418"

## Glycosylation sites (N)

Asn-290 Asn-290'

MOLECULAR FORMULA C<sub>6338</sub>H<sub>9790</sub>N<sub>1694</sub>O<sub>1988</sub>S<sub>42</sub>

MOLECULAR WEIGHT 142.9 kDa

TRADEMARK None as yet

SPONSOR	Eli Lilly & Co.
CODE DESIGNATIONS	LY2495655
<u>CAS</u> REGISTRY NUMBER	1391726-30-9
UNII	B1792M902R
WHO NUMBER	10188

gbk