STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (KL-93)	LATOZINEMAB
PRONUNCIATION	lat” oh zin' e mab
THERAPEUTIC CLAIM	Treatment of dementia

CHEMICAL NAMES

Immunoglobulin G1 [239-alanine,240-alanine,336-serine], anti-(human sortilin-1) (human monoclonal AL001 γ1-chain), disulfide with human monoclonal AL001 κ-chain, dimer (Source: CAS)

Immunoglobulin G1-kappa, anti-[*Homo sapiens* SORT1 (sortilin 1, Gp95, NT3)], *Homo sapiens* monoclonal antibody; gamma1 heavy chain *Homo sapiens* (1-452) [VH (*Homo sapiens* IGHV4-38-2*01 (99.0%) -(IGHD) -IGHJ6*01 (100%)) CDR-IMGT [9.7.15] (26-34.52-58.97-111) (1-122) -*Homo sapiens* IGHG1*01 G1m17,1, G1v40 CH2 A1.3, A1.2, S116 (CH1 K120 (219) (123-220), hinge 1-15 (221-235), CH2 L1.3>A (239), L1.2>A (240), P116>S (336) (236-345), CH3 D12 (361), L14 (363) (346-450), CHS (451-452)) (123-452)], (225-219')-disulfide with kappa light chain *Homo sapiens* (1'-219') [V-KAPPA (*Homo sapiens* IGKV2-28*01 (93.0%) -IGKJ4*01 (100%)) CDR-IMGT [11.3.9] (27-37.55-57.94-102) (1'-112') -*Homo sapiens* IGKC*01 (100%) Km3 A45.1 (158), V101 (196) (113'-219')]; dimer (231-231'':234-234'')-bisdisulfide, produced in a glutamine synthetase-Chinese hamster ovary (CHO) cell based expression system, GSKO CHOK1SV, glycoform alfa

STRUCTURAL FORMULA

Heavy chain X, X’’

QVQLQESGPG	LVKPSETLSL	TCAVSGYSIS	SGYYWGWIRQ	PPGKGLEWIG	50
TIYHSGSTYY	NPSLKSRVTI	SVDTSKNQFS	LKLSSVTAAD	TAVYYCARQG	100
SIKQGYYGMD	VWGQGTTVTV	SSASTKGPSV	FPLAPSSKST	SGGTAALGCL	150
VKDYFPEPVT	VSWNSGALTS	GVHTFPAVLQ	SSGLYSLSSV	VTVPSSSLGT	200
QTYICNVNHK	PSNTKVDKKV	EPKSCDKTHT	CPPCPAPEAA	GGPSVFLFPP	250
KPKDTLMISR	TPEVTCVVVD	VSHEDPEVKF	NWYVDGVEVH	NAKTKPREEQ	300
YNSTYRVVSV	LTVLHQDWLN	GKEYKCKVSN	KALPASIEKT	ISKAKGQPRE	350
PQVYTLPPSR	DELTKNQVSL	TCLVKGFYPS	DIAVEWESNG	QPENNYKTTP	400
PVLDSDGSFF	LYSKLTVDKS	RWQQGNVFSC	SVMHEALHNH	YTQKSLSLSP	450
GK					452

Light chain X’, X’’’

DIVMTQSPLS	LPVTPGEPAS	ISCRSSQSLL	RSTGYNYLDW	YLQKPGQSPQ	50'
LLIYLGSNRA	SGVPDRFSGS	GSGTDFTLKI	SRAEAEDVGV	YYCMQQQEAP	100'
LTFGGGTKVE	IKRTVAAPSV	FIFPPSDEQL	KSGTASVVCL	LNNFYPREAK	150'
VQWKVDNALQ	SGNSQESVTE	QDSKDSTYSL	SSTLTLSKAD	YEKHKVYACE	200'
VTHQGLSSPV	TKSFNRGEC				219’

Disulfide bridges

22-96	22’’-96’’	23’-93’	23’’’-93’’’	139'-199’	139’’’-199’’’	149-205	149’’-205’’
225-219’	225’’-219’’	231-231’’	234-234’’	266-326	266’’-326’’	372-430	372’’-430’’

Glycosylation sites (N)

297 297’’

MOLECULAR FORMULA	$C_{6484}H_{10078}N_{1720}O_{2037}S_{42}$
MOLECULAR WEIGHT	146.1 kDa
TRADEMARK	None as yet
SPONSOR	Alector, Inc.
CODE DESIGNATIONS	AL001
CAS REGISTRY NUMBER	2376132-27-1
UNII	IKT0XSS2XB
WHO NUMBER	11784

gbk