

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-107) ZAGOTENEMAB

PRONUNCIATION zag" oh ten' e mab

THERAPEUTIC CLAIM Treatment of Alzheimer's disease and other tauopathies

## CHEMICAL NAMES

1. Immunoglobulin G4, anti-(Tau protein) (human monoclonal LY3303560  $\gamma$ 4-chain), disulfide with human monoclonal LY3303560 light chain, dimer
2. Immunoglobulin G4-kappa, anti-(*Homo sapiens* Microtubule-associated protein tau (Neurofibrillary tangle protein, PHF-tau)) humanized monoclonal antibody;  $\gamma$ 4 heavy chain (1-442) [Humanized VH (*Homo sapiens*IGHV5-51\*01 (85%) –(IGHD)-IGHJ4\*01 (87%)) [8.8.9] (1-116) -*Homo sapiens*IGHG4\*01 {hinge[S<sup>10</sup>>P(224)], CH2[F<sup>4</sup>>A(230),L<sup>5</sup>>A(231)], CH3[K<sup>107</sup>>del(443)]} (117-442)] (130-219')-disulfide with  $\kappa$  light chain (1'-219') [Humanized V-KAPPA (*Homo sapiens*IGKV3-20\*01 (79%) –IGKJ4\*01)[11.3.9] (1'-112') -*Homo sapiens*IGKC\*01 (113'-219')], dimer (222-222":225-225")-bisdisulfide

## STRUCTURAL FORMULA

### Heavy chain

EVQLVQSGAE	VKKPGESLKI	SCKGSGYTFS	NYWIEWVRQM	PGKGLEWMGE	50
ILPGSDSIKY	EKNFKGQVTI	SADKSISTAY	LQWSSLKASD	TAMYICARRG	100
NYVDDWGQGT	LVTVSSASTK	GPSVFPLAPC	SRSTSESTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	SLGKTYTCN	200
VDHKPSNTKV	DKRVESKYGP	PCPPCPAPEA	AGGPSVFLFP	PKPKDTLMIS	250
RTPEVTCVVV	DVSQEDPEVQ	FNWYVDGVEV	HNAKTKPREE	QFNSTYRVVS	300
VLTVLHQDWL	NGKEYKCKVS	NKGLPSSIEK	TISKAKGQPR	EPQVYTLPPS	350
QEEMTKNQVS	LTCLVKGFYP	SDIAVEWESN	GQPENNYKTT	PPVLDSDGSF	400
FLYSRLTVDK	SRWQEGNVFS	CSVMHEALHN	HYTQKLSLSL	LG	442

### Light chain

EIVLTQSPGT	LSLSPGERAT	LSCRSSQSLV	HSNQNTYLHW	YQQKPGQAPR	50'
LLIYKVDNRF	SGIPDRFSGS	GSRTDFTLTI	SRLEPEDFAV	YYCSQSTLVP	100'
LTFGGGTKVE	IKRTVAAPSV	FIFPPSDEQL	KSGTASVVCL	LNNFYPREAK	150'
VQWKVDNALQ	SGNSQESVTE	QDSKDYSTSL	SSTLTLSKAD	YEKHKVYACE	200'
VTHQGLSSPV	TKSFNRGEC				219'

### Disulfide bridges location

22-96	22"-96"	23'-93'	23""-93""	130-219'	130""-219""	139'-199'	139""-199""
143-199	143"-199"	222-222"	225-225"	257-317	257""-317""	363-421	363""-421""

### Glycosylation sites (N)

Asn-293 Asn-293"

MOLECULAR FORMULA C<sub>6448</sub>H<sub>9976</sub>N<sub>1712</sub>O<sub>2026</sub>S<sub>44</sub>

MOLECULAR WEIGHT 145.3 kDa

TRADEMARK None as yet

SPONSOR	Eli Lilly & Co.
CODE DESIGNATIONS	LY3303560
<u>CAS</u> REGISTRY NUMBER	2019133-28-7
UNII	AY6V5E2GNX
WHO NUMBER	11050

gbk