

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (HI-128)	TILAVONEMAB
PRONUNCIATION	til' a von' e mab
THERAPEUTIC CLAIM	Treatment of Alzheimer's disease, supranuclear palsy and neurodegenerative disorders

## CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human tau protein) (human-*Mus musculus* monoclonal PR-1649264  $\gamma$ 4-chain), disulfide with human-*Mus musculus* monoclonal PR-1649264  $\kappa$ -chain, dimer
2. Immunoglobulin G4-kappa, anti-(*Homo sapiens* Microtubule-associated protein tau (Paired helical filament-tau, PHF-tau)); monoclonal antibody;  $\gamma$ 4 heavy chain (1-442) [VH (*Mus musculus* IGHV6-3\*01 (92%) –(IGHD)-IGHJ4\*01 (92%)/*Homo sapiens* IGHV3-7\*01 (71%) –(IGHD)-IGHJ4\*01 (92%)) [8.10.6] (1-115) -*Homo sapiens* IGHG4\*01 {[hinge[S<sup>10</sup>>P(223)]} (116-442)], (129-218')-disulfide with  $\kappa$  light chain (1'-218') [V-KAPPA (*Mus musculus* IGKV3-7\*01 (91%) –IGKJ2\*03 (91%)/*Homo sapiens* IGKV4-1\*01 (69%) –IGKJ2\*01) [10.3.9] (1'-111')] -*Homo sapiens* IGKC\*01 (112'-218')], dimer (221-221":224-224")-bisdisulfide

## STRUCTURAL FORMULA

### Heavy chain

EVKVVESSGGG	LVQPPGGSMKL	SCVVSQFTFS	NYWVNWVRQA	PGKGLEWVAQ	50
IRLKSDNYAT	HYEESVKGRF	TISRDDSKSS	VYLQMNLR	EDSGIYYCTN	100
WEDYWGQGT	VTVSSASTKG	PSVFPPLAPCS	RSTSESTAAL	GCLVKDYFPE	150
PVTVSWNSGA	LTSGVHTFPA	VLQSSGLYSL	SSVVTVPSSS	LGTKTYTCNV	200
DHKPSNTKVD	KRVESKYGPP	CPPCPAPEFL	GGPSVFLFPP	KPKDTLMISR	250
TPEVTCVVVD	VSQEDPEVQF	NWYVDGVEVH	NAKTKPREEQ	FNSTYRVVSV	300
LTVLHQDNLN	GKEYKCKVSN	KGLPSSIEKT	ISKAKGQPRE	PQVYTLPPSQ	350
EEMTKNQVSL	TCLVKGFYPS	DIAVEWESNG	QPENNYKTTT	PVLDSGGSFF	400
LYSRLTVDKS	RWQEGNVFSC	SVMHEALHNN	YTQKSLSLSL	GK	442

### Light chain

DIVLTQSPDS	LAVSLGERAT	ISCRASQSVS	TSRYSYIHWY	QQKPGQPPKL	50'
LIKYASNLES	GVPSRFSGSG	SGTDFTLNIH	PLEPEDFATY	YCHHSWEIPL	100'
TFGQGTKLEI	KRTVAAPSVF	IFPPSDEQLK	SGTASVCLL	NNFYPREAKV	150'
QWKVDNALQS	GNSQESVTEQ	DSKSTYSLS	STLTLSKADY	EKHKVYACEV	200'
THQGLSSPVT	KSFNRGEC				218'

### Disulfide bridges location

22-98	22"-98"	23'-92'	23"-92"	129-218'	129"-218"	138'-198'	138"-198"
142-198	142"-198"	221-221"	224-224"	256-316	256"-316"	362-420	362"-420"

### Glycosylation sites (N)

Asn-292 Asn-292'

**MOLECULAR FORMULA**  $C_{6480}H_{9956}N_{1720}O_{2028}S_{42}$  . (nonglycosylated)

**MOLECULAR WEIGHT** 145.75 kDa (nonglycosylated)

TRADEMARK	None
SPONSOR	AbbVie Inc.
CODE DESIGNATIONS	ABBV-8E12
<u>CAS</u> REGISTRY NUMBER	2096513-89-0
UNII	MY9Z7GDJ8J
WHO NUMBER	10957

gbk