

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (GH-88) SUTIMLIMAB

PRONUNCIATION soo tim' li mab

THERAPEUTIC CLAIM Treatment of cold agglutinin disease and other classical complement pathway mediated diseases

CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human complement C1s) (humanized mouse monoclonal TNT009  $\gamma$ 4-chain), disulfide with humanized mouse monoclonal TNT009  $\kappa$ -chain, dimer
2. Immunoglobulin G4-kappa, anti-(*Homo sapiens* Complement C1s subcomponent (C1 esterase; EC=3.4.21.42)) humanized and chimeric monoclonal antibody;  $\gamma$ 4 heavy chain (1-445) [humanized VH (*Homo sapiens* IGHV3-23\*03 (90%) –(IGHD)-IGHJ4\*01) [8.8.11] (1-118) - *Homo sapiens* IGHG4\*01 {hinge[S<sup>10</sup>>P(226)], CH2[L<sup>5</sup>>E(233)] (119-445)], (132-216')-disulfide with  $\kappa$  chimeric light chain (1'-216') [V-KAPPA (*Mus musculus* IGKV4-74\*01 (83%)/*Homo sapiens* IGKV3D-7\*01 (78%) –IGKJ2\*01) [7.3.10] (1'-109') -*Homo sapiens* IGKC\*01 (110'-216')], dimer (224-224':227-227')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVESGGG	LVKPGGSLRL	SCAASGFTFS	NYAMSWVRQA	PGKGLEWVAT	50
ISSGGSHTYY	LDSVKGRTTI	SRDNSKNTLY	LQMNSLRAED	TALYYCARLF	100
TGYAMDYWGQ	GTLVTVSSAS	TKGPSVFPLA	PCSRSTSEST	AALGCLVKDY	150
FPEPVTVSWN	SGALTSGVHT	FPAVLQSSGL	YSLSSVTVTP	SSSLGTKTYT	200
CNVDPKPSNT	KVDKRVESKY	GPPCPPCPAP	EFEGGPSVFL	FPPKPKDTLM	250
ISRTPEVTCV	VVDVSDQEDPE	VQFNWYVDGV	EVHNAKTKPR	EEQFNSTYRV	300
VSVLTVLHQD	WLNKKEYKCK	VSNKGLPSSI	EKTIKAKGQ	PREPQVYTLP	350
PSQEEEMTKNQ	VSLTCLVKGF	YPSDIAVEWE	SNGQPENNYK	TTPPVLDSDG	400
SFFFLYSRLTV	DKSRWQEGNV	FSCSVMHEAL	HNHYTQKSLS	LSLGK	445

Light chain

QIVLTQSPAT	LSLSPGERAT	MSCTASSSVS	SSYLHWYQQK	PGKAPKLWIY	50'
STSNLASGVP	SRFSGSGSGT	DYTLTISSLQ	PEDFATYYCH	QYYRLPPI'TF	100'
QGQTKLEIKR	TVAAPSVFIF	PPSDEQLKSG	TASVVCLLNN	FYPREAKVQW	150'
KVDNALQSGN	SQESVTEQDS	KDSTYSLSST	LTLSKADYEK	HKVYACEV'TH	200'
QGLSSPVTKS	FNRGEC				206'

Disulfide bridges location

22-96	22"-96"	23'-89'	23'''-89'''	132-216'	132"-216"	136'-196'	136'''-196'''
145-201	145"-201"	224-224"	227-227"	259-319	259"-319"	365-423	365'''-423'''

Glycosylation sites (N)

Asn-295 Asn-295"

MOLECULAR FORMULA C<sub>6436</sub>H<sub>9938</sub>N<sub>1700</sub>O<sub>2013</sub>S<sub>46</sub> (non-glycosylated)

MOLECULAR WEIGHT 144.83 kDa (non-glycosylated)

TRADEMARK None as yet

SPONSOR Bioverativ USA Inc.

CODE DESIGNATIONS	TNT009, BIVV009
<u>CAS</u> REGISTRY NUMBER	2049079-64-1
UNII	GNWE7KJ995
WHO NUMBER	10757

gbk