

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-19) ORILANOLIMAB  
 PRONUNCIATION or" i lan oh' li mab  
 THERAPEUTIC CLAIM Treatment of IgG-mediated autoimmune disorders  
 CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human FcRn receptor) (humanized monoclonal SYNT001  $\gamma$ 4-chain), disulfide with humanized monoclonal SYNT001  $\kappa$ -chain, dimer (Source: CAS)
2. Immunoglobulin G4-kappa, anti-[*Homo sapiens* IgG receptor FcRn large subunit p51; Short=FcRn (Neonatal Fc receptor)]; humanized mouse monoclonal antibody;  $\gamma$ 4 heavy chain (1-444) [VH (*Mus musculus*IGHV1-81\*01 (93%) –(IGHD)-IGHJ1\*03 (92%)/*Homo sapiens*IGHV1-18\*01 (78%) –(IGHD)-IGHJ6\*01 (83%)) [8.8.11] (1-118) -*Homo sapiens*IGHG4\*01 {hinge[S<sup>10</sup>>P(226)], CH3[K<sup>107</sup>>del(445)]} (119-444)] (132-214')-disulfide with  $\kappa$  light chain (1'-214') [V-KAPPA (*Mus musculus*IGKV13-85\*01 (88%) –IGKJ2\*01 (92%)/*Homo sapiens*IGKV1-NL1\*01 (83%) –IGKJ4\*01 [6.3.9] (1'-107') -*Homo sapiens*IGKC\*01 (108'-214')], dimer (224-224":227-227")-bisdisulfide (Source: USAN Program chemical consultant)

## STRUCTURAL FORMULA

### Heavy chain X & X''

QVQLVQSGAE	LKKPGASVKL	SCKASGYTFT	SYGISWVKQA	TGQGLEWIGE	50
IYPRSGNTYY	NEKFKGRATL	TADKSTSTAY	MELRSLRSED	SAVYFCARST	100
TVRPPGIWGT	GTTVTVSSAS	TKGPSVFPLA	PCSRSTSEST	AALGCLVKDY	150
FPEPVTVSWN	SGALTSGVHT	FPAVLQSSGL	YSLSSVVTVP	SSSLGTKTYT	200
CNVDHKPSNT	KVDKRVESKY	GPCCPPCPAP	EFLGGPSVFL	FPPKPKDTLM	250
ISRTPEVTCV	VVDVDSQEDPE	VQFNWYVDGV	EVHNAKTKPR	EEQFNSTYRV	300
VSVLTVLHQD	WLNGKEYKCK	VSNKGLPSSI	EKTISKAKGQ	PREPQVYTLF	350
PSQEEMTKNQ	VSLTCLVKGF	YPSDLAVEWE	SNGQPENNYK	TTPPVLDSDG	400
SFFFLYSRLTV	DKSRWQEGNV	FSCSVMHEAL	HNHYTQKSLS	LSLG	444

### Light chain X' & X'''

DIQMTQSPSS	LSASVGDVRT	ITCKASDHIN	NWLAWYQQKP	GQAPRLLISG	50'
ATPLETGVP	RFSGSGTKD	YTLTISSLQP	EDFATYYCQQ	YWSTPYTFGG	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNIFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYSLSSTLT	LSKADYKHKH	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

### Disulfide bridges location

22-96	22"-96"	23'-88'	23'''-88'''	132-214'	132"-214'"	134'-194'	134'''-194'''
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  $C_{6288}H_{9876}N_{1696}O_{2016}S_{42}$

MOLECULAR WEIGHT 144.04 kDa

TRADEMARK	None as yet
SPONSOR	Syntimmune Inc. (Alexion Pharmaceuticals)
CODE DESIGNATIONS	SYNT1001, ALXN1830
<u>CAS</u> REGISTRY NUMBER	2066544-85-0
UNII	1LTT6HMX9N
WHO NUMBER	10825

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