

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (HI-67) ZALIFRELIMAB
 PRONUNCIATION zal" i frel' i mab
 THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human cytotoxic T-lymphocyte-associated protein 4) (human monoclonal AGEN1884 γ 1-chain), disulfide with human monoclonal AGEN1884 κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-[*Homo sapiens* Cytotoxic T-lymphocyte protein 4 (Cytotoxic T-lymphocyte-associated antigen 4; CTLA-4; CD152 antigen)]; human monoclonal antibody; γ 1 heavy chain *Homo sapiens* (1-448) [*Homo sapiens* VH (IGHV3-21*01 –(IGHD)-IGHJ3*02) [8.8.11] (1-118) -*Homo sapiens* IGHG1*03 (119-448)] (221-214')-disulfide with κ light chain (1'-214') [*Homo sapiens* V-KAPPA (IGKV3-20*01 (95%) –IGKJ1*01)[6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (227-227':230-230')-bisdisulfide

STRUCTURAL FORMULA

Heavy chains A and C''

EVQLVESGGG	LVKPGGSLRL	SCAASGFTFS	YSYMNWVRQA	PGKGLEWVSS	50
ISSSSYIYY	ADSVKGRFTI	SRDNAKNSLY	LQMNSLRAED	TAVYYCARVG	100
LMGPFDIWGQ	GTMVTVSSAS	TKGPSVFPLA	PSSKSTSGGT	AALGCLVKDY	150
FPEPVTVSWN	SGALTSGVHT	FPAVLQSSGL	YSLSSVVTVP	SSSLGTQTYI	200
CNVNHKPSNT	KVDKRVEPKS	CDKTHTCPPC	PAPELLGGPS	VFLFPPKPKD	250
TLMISRTPEV	TCVVVDVSHE	DPEVKFNWYV	DGVEVHNAKT	KPREEQYNST	300
YRVVSVLTVL	HQDWLNGKEY	KCKVSNKALP	APIEKTISKA	KGQPREPQVY	350
TLPPSREEMT	KNQVSLTCLV	KGFYPSDIAV	EWESNGQPEN	NYKTTTPPVL	400
SDGSFFLYSK	LTVDKSRWQQ	GNVFSQSVMH	EALHNHYTQK	SLSLSPGK	448

Light chains B' and D''

EIVLTQSPGT	LSSLSPGERAT	LSCRASQSVS	RYLGWYQQKP	GQAPRLLIYG	50'
ASTRATGIPD	RFSGSGSGTD	FTLTITRLEP	EDFAVYYCQQ	YGSSPWFPGQ	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges location

22-96	22"-96"	23'-88'	23'''-88'''	134'-194'	134'''-194'''	145-201	145"-201"
214'-221	214'''-221'''	227-227"	230-230"	262-322	262"-322"	368-426	368"-426"

Modified residues

K
 448, 448"
 deleted

Glycosylation sites (N)

Asn-298 Asn-298"

MOLECULAR FORMULA	C ₆₄₀₂ H ₉₉₁₈ N ₁₇₁₄ O ₁₉₉₈ S ₄₆ . (non glycosylated)
MOLECULAR WEIGHT	144.34 kDa (non glycosylated)
TRADEMARK	None as yet
SPONSOR	Agenus Inc.
CODE DESIGNATIONS	AGEN1884
<u>CAS</u> REGISTRY NUMBER	2148321-69-9
UNII	FE7L22H028
WHO NUMBER	10994

gbk