

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (HI-66) BALSTILIMAB
 PRONUNCIATION bal stil' i mab
 THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human programmed cell death protein 1) (human monoclonal AGEN2034 γ 4-chain), disulfide with human monoclonal AGEN2034 κ -chain, dimer
2. Immunoglobulin G4-kappa, anti-[*Homo sapiens* Programmed cell death protein 1 (Protein PD-1; hPD-1; CD279 antigen)], *Homo sapiens* monoclonal antibody; γ 4 heavy chain (1-439) [VH *Homo sapiens* (IGHV3-33*01-(IGHD)-IGHJ1*01) [8.8.6] (1-113) -*Homo sapiens* IGHG4*01 {hinge[S¹⁰>P(221)], CH3[K¹⁰⁷>del(440)]} (114-439) (127-214')-disulfide with κ light chain (1'-214') [*Homo sapiens* V-KAPPA (IGKV3-15*01-IGKJ1*01)[6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (219-219":222-222")-bisdisulfide

STRUCTURAL FORMULA

Heavy chains A and C"

QVQLVESGGG	VVQPGRSLRL	SCAASGFTFS	SYGMHWVRA	PGKGLEWVAV	50
IWYDGSNKYY	ADSVKGRFTI	SRDNSKNTLY	LQMNSLRAED	TAVYYCASNG	100
DHWGQGTLVV	VSSASTKGPS	VFPLAPCSRS	TSESTAALGC	LVKDYFPEPV	150
TVSWNSGALT	SGVHTFPAVL	QSSGLYSLSS	VVTVPSSSLG	TKTYTCNVDH	200
KPSNTKVDKR	VESKYGPPCP	PCPAPEFLGG	PSVFLFPPKP	KDTLMISRTP	250
EVTCVVVDVS	QEDPEVQFNW	YVDGVEVHNA	KTKPREEQFN	STYRVVSVLT	300
VLHQDWLNGK	EYKCKVSNKG	LPSSIEKTIIS	KAKGQPREPQ	VYTLPPSQEE	350
MTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPV	LDSDGSEFFLY	400
SRLTVDKSRW	QEGNVFSCSV	MHEALHNHYT	QKSLSLSLGK		440

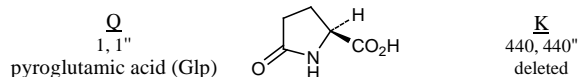
Light chains B' and D"

EIVMTQSPAT	LSVSPGERAT	LSCRASQSVS	SNLAWYQQKP	GQAPRLLIYG	50'
ASTRATGIPA	RFSGSGSGTE	FTLTISSLQS	EDFAVYYCQQ	YNNWPRTFGQ	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSPPVTKSFN	RGEC				214'

Disulfide bridges location

22-96	22"-96"	23'-88'	23'''-88'''	127-214'	127"-214"	134'-194'	134'''-194'''
140-196	140"-196"	219-219"	222-222"	254-314	254"-314"	360-418	360"-418"

Modified residues



Glycosylation sites (N)

Asn-290 Asn-290"

MOLECULAR FORMULA

C₆₃₃₆H₉₇₆₄N₁₇₀₄O₁₉₉₀S₄₄ (non glycosylated)

MOLECULAR WEIGHT

143.1 kDa

TRADEMARK	None as yet
SPONSOR	Agenus Inc.
CODE DESIGNATIONS	AGEN2034
<u>CAS</u> REGISTRY NUMBER	2148321-77-9
UNII	1Q2QT5M7EO
WHO NUMBER	10993

gbk