

June 24, 2015

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (CD-127) LENZILUMAB

PRONUNCIATION len zil' ue mab

THERAPEUTIC CLAIM Treatment of chronic myelomonocytic leukemia

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human colony-stimulating factor 2) (human monoclonal KB003 heavy chain), disulfide with human monoclonal KB003 κ-chain, dimer
2. Immunoglobulin G1-kappa, anti-(human granulocyte-macrophage colony-stimulating factor (GM-CSF, colony-stimulating factor, CSF)); human monoclonal antibody: γ1 heavy chain (1-449) [human VH (*Homo sapiens* IGHV1-3*01 (95%) –(IGHD)-IGHJ4*01) [8.8.12] (1-119) -*Homo sapiens* IGHG1*03 (120-449)] (222-214')-disulfide with kappa light chain (1'-214') [human V-KAPPA (*Homo sapiens* IGKV3D-11*03 (86%) –IGKJ4*01) [6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (228-228':231-231')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGAE	VKKPGASVKV	SCKASGYSFT	NYIHWVRQA	PGQRLEWMGW	50
INAGNGNTKY	SQKFQGRVTI	TRDTSASTAY	MELSSLRSED	TAVYYCVRRQ	100
RFYYFDYWG	QGTLVTVSSA	STKGPSVFPPL	APSSKSTSGG	TAALGCLVKD	150
YFPEPVTVSW	NSGALTSGVH	TFFPAVLQSSG	LYSLSSVTV	PSSSLGTQTY	200
ICNVNHKPSN	TKVDKRVPEK	SCDKTHTCPP	CPAPELLGGP	SVFLFPPKPK	250
DTLMISRTP	VTCVVDVSH	EDPEVKFNWY	VDGVEVHNAK	TKPREEQYNS	300
TYRVVSVLTV	LHQDWLNGKE	YKCKVSNKAL	PAPLEKTIK	AKGQPREPQV	350
YTLPPSREEM	TKNQVSLTCL	VKGFYPSDIA	VEWESNGQPE	NNYKTTTPVL	400
DSDGSFFLYS	KLTVDKSRWQ	QGNVFSCSVM	HEALHNHYTQ	KSLSLSPGK	449

Light chain

EIVLTQSPAT	LSVSPGERAT	LSCRASQSVG	TNVAWYQQKP	GQAPRVLIYS	50'
TSSRATGITD	RFSGSGSGTD	FLLTISRLEP	EDFAVYYCQQ	FNKSPLTFGG	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSPVTKSFN	RGEC				214'

Disulfide bridges location

22-96	22"-96"	23'-88'	23'''-88'''	134'-194'	134'''-194'''	146-202	146"-202"
214'-222	214'''-222'''	228-228"	231-231"	263-323	263'''-323'''	369-427	369"-427"

Glycosylation sites (N)

Asn-299 Asn-299'

MOLECULAR FORMULA

C₆₄₇₄H₁₀₀₂₄N₁₇₄₈O₂₀₁₀S₄₂ (peptide)

MOLECULAR WEIGHT	145.85 kDa (peptide)
TRADEMARK	None as yet
SPONSOR	KaloBios Pharmaceuticals, Inc.
CODE DESIGNATIONS	KB003
<u>CAS</u> REGISTRY NUMBER	1229575-09-0
UNII	IE4X6497XK
WHO NUMBER	9965

GBK