

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (KL-133) BARZOLVOLIMAB
 PRONUNCIATION bar" zol voe' li mab
 THERAPEUTIC CLAIM Treatment of chronic urticaria

CHEMICAL NAME

Immunoglobulin G1 [233-alanine,234-glutamine,251-tyrosine,253-threonine,255-glutamic acid,321-glutamine,de-C-terminal-lysine], anti-(human receptor tyrosine kinase KIT extracellular domain) (human-*Mus musculus* monoclonal CDX-0159 γ 1-chain), disulfide with human-*Mus musculus* monoclonal CDX-0159 κ -chain, dimer (Source: CAS)

STRUCTURAL FORMULA

Heavy chain X, X''

QVQLVQSGAE	VKKPGASVKL	SCKASGYTFT	DYYINWVQA	PGKGLEWIAR	50
IYPGSGNTYY	NEKFKGRATL	TADKSTSTAY	MQLSSLRSED	TAVYFCARGV	100
YFDYWGQGT	TVTSSASTK	GPSVFPLAPS	SKSTSGGTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	SLGTQTYICN	200
VNHKPSNTKV	DKKVEPKSCD	KTHTCPPCPA	PEAQGGPSVF	LFPPKPKDTL	250
YITREPEVTC	VVVDVSHEDP	EVKFNWYVDG	VEVHNAKTKP	REEQYNSTYR	300
VVSVLTIVLHQ	DWLNKKEYKC	QVSNKALPAP	IEKTISKAKG	QPREPQVYTL	350
PPSRDELTKN	QVSLTCLVKG	FYPSDIAVEW	ESNGQPENNY	KTTTPVLDS	400
GSFFLYSKLT	VDKSRWQQGN	VFSCSVMHEA	LHNHYTQKSL	SLSPG	445

Light chain X', X'''

DIVMTQSPSS	LSASVGDVRT	ITCKASQNR	TNVAWYQQKP	GKAPKALIYS	50'
ASYRYSGVPD	RFTGSGSGTD	FTLTISLQP	EDFADYFCQQ	YNSYPRTFGG	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNIFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges

22-96	22''-96''	23'-88'	23'''-88'''	134'-194'	134''-194''	143-199	143''-199''
219-214'	219''-214''	225-225''	228-228''	260-320	260''-320''	366-424	366''-424''

Glycosylation sites (N)

296	296''
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MOLECULAR FORMULA C₆₄₃₆H₉₉₂₂N₁₇₀₈O₂₀₁₁S₃₈

MOLECULAR WEIGHT 144.62 kDa

TRADEMARK None as yet

SPONSOR Celldex Therapeutics

CODE DESIGNATIONS CDX-0159

CAS REGISTRY NUMBER 2438203-51-9

UNII 4B77GX0NA3

WHO NUMBER

11842

gbk