

EMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-145) SPESOLIMAB
PRONUNCIATION spe soe' li mab
THERAPEUTIC CLAIM Treatment of immune and inflammatory disorders

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human interleukin 36 receptor) (humanized monoclonal BI 655130 γ 1-chain), disulfide with humanized monoclonal BI 655130 κ -chain, dimer (Source: CAS)
2. Immunoglobulin G1-kappa, anti-[*Homo sapiens* Interleukin-1 receptor-like (Interleukin-1 receptor-related protein 2; IL-36 receptor; IL1R-rp2)]; humanized monoclonal antibody; γ 1 heavy chain humanized (1-449) [VH (*Homo sapiens* IGHV1-2*02 (81%) –(IGHD)-IGHJ4*01 (93%)) [8.8.12] (1-119) -*Homo sapiens* IGHG1*03 {CH2[L⁴>A(236), L⁵>A(237)]} (120-449)] (222-215')-disulfide with κ light chain humanized(1'-215') [V-KAPPA (*Homo sapiens* IGKV3-20*01 (79%) –IGKJ2*01 (91%))[7.3.9] (1'-108') -*Homo sapiens* IGKC*01 (109'-215')], dimer (228-228':231-231'')-bisdisulfide (Source: USAN Program Chemical Consultant)

STRUCTURAL FORMULA

Heavy chains X & X''

QVQLVQSGAE	VKKPGASVKV	SCKASGYSFT	SSWIHWVKQA	PGQGLEWMGE	50
INPGNVRTNY	NENFRNKVTM	TVDTISISTAY	MELSRRLSDD	TAVYYCTVVF	100
YGEPIYFPYWG	QGTTLVTVSSA	STKGPSVFPPL	APSSKSTSGG	TAALGCLVKD	150
YFPEPVTVSW	NSGALTSGVH	TFFPAVLQSSG	LYSLSSVVTV	PSSSLGTQTY	200
ICNVNHNKPSN	TKVDKRVEPK	SCDKTHTCPP	CPAPEAAGGP	SVFLFPPKPK	250
DTLMISRTP	VTCVVDVSH	EDPEVKFNWY	VDGVEVHNAK	TKPREEQYNS	300
TYRVVSVLTV	LHQDWLNGKE	YKCKVSNKAL	PAPIEKTISK	AKGQPREPQV	350
YTLPPSREEM	TKNQVSLTCL	VKGFYPSDIA	VEWESNGQPE	NNYKTTTPVL	400
DSDGSFFLYS	KLTVDKSRWQ	QGNVFSCVM	HEALHNHYTQ	KSLSLSPGK	449

Light chain X' & X'''

QIVLTQSPGT	LSSLSPGERAT	MTCTASSSVS	SSYFHWYQQK	PGQAPRLWIY	50'
RTSRLASGVP	DRFSGSGSGT	DFTLTISRLE	PEDAATYYCH	QFHRSPFTFG	100'
AGTKLEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVVCLLNMF	YPREAKVQWK	150'
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKH	KVYACEVTHQ	200'
GLSSPVTKSF	NRGEC				215'

Disulfide bridges

22-96	22"-96"	23'-89'	23'''-89'''	135'-195'	135'''-195'''	146-202	146"-202"
215'-222	215'''-222'''	228-228"	231-231"	263-323	263'''-323'''	369-427	369"-427"

Glycosylation sites (N)

MOLECULAR FORMULA $C_{6480}H_{9988}N_{1736}O_{2012}S_{46}$ (nonglycosylated)

MOLECULAR WEIGHT 145.88 kDa

TRADEMARK None as yet

SPONSOR	Boehringer Ingelheim
CODE DESIGNATIONS	BI 655130
<u>CAS</u> REGISTRY NUMBER	2097104-58-8
UNII	5IB2J79MCX
WHO NUMBER	10845

gbk