

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-30) FELADILIMAB
 PRONUNCIATION fel' a dil' i mab
 THERAPEUTIC CLAIM Treatment of advanced solid tumors

CHEMICAL NAMES

1. Immunoglobulin G4 [229-proline,236-glutamic acid], anti-(human inducible T-cell co-stimulator (ICOS)) (human-Mus musculus monoclonal GSK3359609 γ 4-chain), disulfide with human-Mus musculus monoclonal GSK3359609 κ -chain, dimer (Source: CAS)
2. Immunoglobulin G4-kappa, anti-(*Homo sapiens* Inducible T-cell costimulator (Activation-inducible lymphocyte immunomediatory molecule; CD278 antigen)); humanized monoclonal antibody; γ 4 heavy chain humanized (1-448) [VH (*Homo sapiens* IGHV1-69*06 (85%) –(IGHD)-IGHJ3*01 (93%)) [8.9.14] (1-121) - *Homo sapiens* IGHG4*01 {hinge[S¹⁰>P(229)], CH2[L⁵>E(236)]} (122-448)] (135-213')-disulfide with κ light chain humanized (1'-213') [V-KAPPA (*Homo sapiens* IGKV3-11*01 (85%) –IGKJ2*01)[5.3.9] (1'-106') -*Homo sapiens* IGKC*01 (107'-213')], dimer (227-227":230-230")-bisdisulfide (Source: USAN Program chemical consultant)

STRUCTURAL FORMULA

Heavy chain X & X''

QVQLVQSGAE	VKKPGSSVKV	SCKASGYTFT	DYAMHWVRQA	PGQGLEWMGL	50
ISIYSDHTNY	NQKFQGRVTI	TADKSTSTAY	MELSSLRSED	TAVYYCGRNN	100
YGNYGWYFDV	WGQGTIVTVS	SASTKGPSVF	PLAPCSRSTS	ESTAALGCLV	150
KDYFPEPVTV	SWNSGALTSG	VHTFPAVLQS	SGLYSLSSVV	TVPSSSLGTK	200
TYTCNVDHKP	SNTKVDKRVE	SKYGPPCPPC	PAPEFEGGPS	VFLFPPKPKD	250
TLMISRTPEV	TCVVVDVSQE	DPEVQFNWYV	DGVEVHNAKT	KPREEQFNST	300
YRVVSVLTVL	HQDWLNGKEY	KCKVSNKGLP	SSIEKTISKA	KGQPREPQVY	350
TLPPSQEEMT	KNQVSLTCLV	KGFYPSDIAV	EWESNGQPEN	NYKTPPVLD	400
SDGSFFLYSR	LTVDKSRWQE	GNVFSCSVMH	EALHNHYTQK	SLSLSLGK	448

Light chain X' & X'''

EIVLTQSPAT	LSLSPGERAT	LSCSASSSVS	YMHWYQQKPG	QAPRLLIYDT	50'
SKLASGIPAR	FSGSGSGTDY	TLTISSLEPE	DFAVYYCFQG	SGYPYTFGQG	100'
TKLEIKRTVA	APSVFIFPPS	DEQLKSGTAS	VVCLLNNFYP	REAKVQWKVD	150'
NALQSGNSQE	SVTEQDSKDS	TYSLSSTLTL	SKADYEKHKV	YACEVTHQGL	200'
SSPVTKSFNR	GEC				213'

Disulfide bridges location

22-96	22"-96"	23'-87'	23'''-87'''	133'-193'	133'''-193'''	135-213'	135"-213"
148-204	148"-204"	227-227"	230-230"	262-322	262"-322"	368-426	368"-426"

Glycosylation sites (N)

Asn-298 Asn-298"

MOLECULAR FORMULA $C_{6450}H_{9888}N_{1696}O_{2036}S_{46}$. (non glycosylated)

MOLECULAR WEIGHT 145.24 kDa

TRADEMARK	None as yet
SPONSOR	GlaxoSmithKline
CODE DESIGNATIONS	GSK-3359609; 3359609; GSK-609
<u>CAS</u> REGISTRY NUMBER	2252518-85-5
UNII	OUP4QB2A3R
WHO NUMBER	11311

gbk