

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (GH-25) MELRILIMAB
 PRONUNCIATION mel ril' i mab
 THERAPEUTIC CLAIM Treatment of asthma

CHEMICAL NAME

1. Immunoglobulin IgG2, anti-(human interleukin 1 receptor-like 1 protein) (human monoclonal GSK3772847 γ 2-chain), disulfide with human monoclonal GSK3772847 κ -chain, dimer

STRUCTURAL FORMULA

Heavy chain

EVQLLESGGG	LVQPGGSLRL	SCAASGFTFS	IYDMIWVRQA	PGKGLEWVSS	50
IRGEGGGTY	ADSVKGRFTI	SRDNSKNTLY	LQMNSLRAED	TAVYYCARDP	100
WSTEGSFFVL	DYWGQGTLLV	VSSASTKGPS	VFPLAPCSRS	TSESTAALGC	150
LVKDYFPEPV	TVSWNSGALT	SGVHTFPAVL	QSSGLYSLSS	VVTVTSSNFG	200
TQTYTCNVDH	KPSNTKVDKT	VERKCCVECP	PCPAPPAAS	SVFLFPPKPK	250
DTLMISRTPE	VTCVVVDVSA	EDPEVQFNWY	VDGVEVHNAK	TKPREEQFNS	300
TFRVVSVLTV	LHQDWLNGKE	YKCKVSNKGL	PSSIEKTI SKT	KGQPREPQV	350
YTLPPSREEM	TKNQVSLTCL	VKGFYPSDIA	VEWESNGQPE	NNYKTTTPML	400
DSDGSFFLYS	KLTVDKSRWQ	QGNVFSCSVM	HEALHNHYTQ	KSLSLSPGK	450

Light chain

EIVLTQSPAT	LSSLSPGERAT	LSCRASQSVD	DDLAWYQQKP	GQAPRLLIYD	50'
ASNRATGIPA	RFGSGSGTD	FTLTISSLEP	EDFAVYYCQQ	YITAPLTFGQ	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	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'''	137-226''	137''-226''
150-206	150''-206''	225-214'	225'''-214'''	229-229''	232-232''	263-323	263''-323''
369-427	369''-427''						

Glycosylation sites (N)

299	299''
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MOLECULAR FORMULA C₆₅₂₂H₁₀₀₈₀N₁₇₁₂O₂₁₀₆S₄₈

MOLECULAR WEIGHT 147.7 kDa

TRADEMARK None as yet

SPONSOR GlaxoSmithKline

CODE DESIGNATIONS GSK3772847

CAS REGISTRY NUMBER 2222865-46-3

UNII 26C72EGQ3G

WHO NUMBER 11351

gbk