

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-103) FEPIXNEBART
 PRONUNCIATION fe pix' ne bart
 THERAPEUTIC CLAIM Treatment of chronic pain

CHEMICAL NAME

Immunoglobulin G4 [226-proline,232-alanine,233-alanine,de-C-terminal-lysine], anti-(human epiregulin and transforming growth factor α) (human-Mus musculus monoclonal LY3016859 γ 1-chain), disulfide with human-Mus musculus monoclonal LY3016859 κ -chain, dimer (Source: CAS)

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGAE	VKKPGSSVKV	SCKASGYTFT	DAYINWVRQA	PGQGLEWMGW	50
IWPGPVITYY	NPKFKGRVTI	TADKSTSTAY	MELSSLRSED	TAVYYCARRE	100
VLSPFAYWQG	GTTVTVSSAS	TKGPSVFPLA	PCSRSTSEST	AALGCLVKDY	150
FPEPVTVSWN	SGALTSGVHT	FPAVLQSSGL	YSLSSVVTVP	SSSLGTKTYT	200
CNVDHKPSNT	KVDKRVESKY	GPPCPPCPAP	EAAGGPSVFL	FPPKPKDTLM	250
ISRTPEVTCV	VVDVSDQEDPE	VQFNWYVDGV	EVHNAKTKPR	EEQFNSTYRV	300
VSVLTVLHQD	WLNKKEYKCK	VSNKGLPSSI	EKTISKAKGQ	PREPQVYTLF	350
PSQEEMTKNQ	VSLTCLVKGF	YPSDIAVEWE	SNGQPENNYK	TTPPVLDSDG	400
SFFFLYSRLTV	DKSRWQEGNV	FSCSVMHEAL	HNHYTQKSLS	LSLG	444

Light chain

DIVMTQSPDS	LAVSLGERAT	INCRSSQSIV	HSTGNTYLEW	YQQKPGQPPK	50'
LLIYKVSNR	SGVPDRFSGS	GSGTDFTLTI	SSLQAEDVAV	YYCFHGTHVP	100'
YTFGGGTKVE	IKRTVAAPSV	FIFPPSDEQL	KSGTASVCL	LNNFYPREAK	150'
VQWVKVDNALQ	SGNSQESVTE	QDSKDSTYSL	SSTLTLSKAD	YEKHKVYACE	200'
VTHQGLSSPV	TKSFNRGEC				219'

Disulfide bridges

23-93	23''-93''	22'-96'	22'''-96'''	139'-199'	139'''-199'''	145-201	145''-201''
219'-132	219'''-132''	224-224''	227-227''	259-312	259''-319''	365-423	365''-423''

Glycosylation sites (N)
 295 295''

MOLECULAR FORMULA $C_{6470}H_{9968}N_{1712}O_{2018}S_{44}$ (peptide only)

MOLECULAR WEIGHT 145.4 kDa

TRADEMARK None as yet

SPONSOR Eli Lilly and Company

CODE DESIGNATIONS LY3016859

CAS REGISTRY NUMBER 2489584-93-0

UNII FP2PL0HRK8

WHO NUMBER 12352

gbk