

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (EF-127) QUETMOLIMAB

PRONUNCIATION kwet mol' i mab

THERAPEUTIC CLAIM Treatment of rheumatoid arthritis and Crohn's disease

CHEMICAL NAME

Immunoglobulin G2, anti-(human fractalkine) (humanized monoclonal E6011 γ 2-chain), disulfide with humanized monoclonal E6011 κ -chain, dimer

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGAE	VKKPGASVKV	SCKASGYTFT	NYIHWVKQA	PGQGLEWIGW	50
IYPGDGSPKF	NERFKGR TTL	TADKSTNTAY	MLLSSLRSED	TAVYFCATGP	100
TDGDYFDYWG	QGT TTVTSSA	STKGPSVFPL	APCSRSTSES	TALGCLVKD	150
YFPEPVTVSW	NSGALTSGVH	TFPAVLQSSG	LYSLSSVTV	PSSNFGTQTY	200
TCNVDHKPSN	TKVDK TVERK	CCVECP PCA	PPAAAPSVFL	FPPKPKDTLM	250
ISRTPEVTCV	VVDVSHEDPE	VQFNWYVDGV	EVHNAKTKPR	EEQFNSTFRV	300
VSVLTVVHQD	WLNKEYKCK	VSNKGLPAPI	EKTI SKTKGQ	PREPQVY TLP	350
PSREEMTKNQ	VSLTCLVKGF	YPSDIAVEWE	SNGQPENNYK	TTPPMLDSDG	400
SFFLYSKLTV	DKSRWQQGNV	FSCSVMHEAL	HNHYTQKSLS	LSPGK	445

Light chain

DIQMTQSPSS	LSASVGRV T	ITCRASGNIH	NFLAWYQQKP	GKAPKLLIYN	50'
EKTLADGVPS	RFSGSGSGTD	YTLTISSLQP	EDFATYFCQQ	FWSTPYTFGG	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'''	133-214'	133''-214'''
134'-194'	134'''-194'''	146-202	146''-202''	221-221''	222-222''
225-225''	228-228''	259-319	259''-319''	365-423	365''-423''

Glycosylation sites (N)
Asn-295 Asn-295''

MOLECULAR FORMULA $C_{6438}H_{9870}N_{1698}O_{2006}S_{48}$

MOLECULAR WEIGHT 144.7 kDa

TRADEMARK None as yet

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CODE DESIGNATIONS E6011

CAS REGISTRY NUMBER 2084037-83-0

UNII

G8NT4Q571B

WHO NUMBER

11040

gbk