

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (AB-13)

EVOLOCUMAB

PRONUNCIATION

e" voe lok' ue mab

THERAPEUTIC CLAIM

Treatment of hyperlipidemia

CHEMICAL NAMES

1. Immunoglobulin G, anti-(human neural apoptosis-regulated proteinase 1) (human monoclonal heavy chain), disulfide with human monoclonal light chain, dimer
2. Immunoglobulin G2-lambda, anti-[human proprotein convertase subtilisin/kexin type 9 (neural apoptosis-regulated convertase 1, PC9)], human monoclonal antibody; gamma 2 heavy chain (1-441) [human VH (*Homo sapiens* IGHV1-18*01 (93.9%) -(IGHD)-IGHJ6*01 [8.8.8] (1-115)-*Homo sapiens* IGHG2*01 (116-441)] (129-214')-disulfide with lambda light chain (1'-215') [human V-LAMBDA (*Homo sapiens* IGLV2-14*01 (95.9%)-IGLJ2*01 [9.3.9] (1'-109')-IGLC2*01 (110'-215'))]; dimer (217-217":218-218":221-221": 224-224")-tetrakisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVQSGAE	VKKPGASVKV	SCKASGYTLLT	SYGISWVRQA	PGQGLEWMGW	50
VSFYNGNTNY	AQKLQGRGTM	TTDPSTSTAY	MELRSLRSDD	TAVYYCARGY	100
GMDVWGQGT	VTVSSASTKG	PSVFLAPCS	RSTSESTAAL	GCLVKDYFPE	150
PVTVSWNSGA	LTSGVHTFPA	VLQSSGLYSL	SSVTVPSSN	FGTQTYTCNV	200
DHKPSNTKVD	KTVERKCCVE	CPPCPAPPVA	GPSVFLFPPK	PKDTLMISRT	250
PEVTCVVVDV	SHEDPEVQFN	WYVDGVEVHN	AKTKPREEQF	NSTFRVSVL	300
TVVHQDWLNG	KEYKCKVSNK	GLPAPIEKTI	SKTKGQPREP	QVYTLPPSRE	350
EMTKNQVSLT	CLVKGFYPSD	IAVEWESNGQ	PENNYKTPP	MLDSDGSPFL	400
YSKLTVDKSR	WQQGNVFSCS	VMHEALHNHY	TQKSLSLSPG	K	441

Light chain

ESALTQPASV	SGSPGQSITI	SCTGTSSDVG	GYNSVSWYQQ	HPGKAPKLM	50'
YEVSNRPSGV	SNRFGSKSG	NTASLTISGL	QAEDEADYYC	NSYTSTSMVF	100'
GGGTKLTVLG	QPKAAPSVTL	FPPSSEELQA	NKATLVCLIS	DFYPGAVTVA	150'
WKADSSPVKA	GVETTPSKQ	SNNKYAASSY	LSLTPEQWKS	HRYSQCQVTH	200'
EGSTVEKTVA	PTECS				215'

Disulfide bridges

22'-90'	22"-90"	22-96	22"-96"	129-214'	129"-214"
137'-196'	137"-196"	142-198	142"-198"	217-217"	218-218"
221-221"	224-224"	255-315	255"-315"	361-419	361"-419"

Glycosylation sites (N)

Asn-291 Asn-291"

MOLECULAR FORMULA

 $C_{6242}H_{9648}N_{1668}O_{1996}S_{56}$

MOLECULAR WEIGHT

141.8 kDa

TRADEMARK

None as yet

SPONSOR	Amgen Inc.
CODE DESIGNATIONS	AMG-145
<u>CAS</u> REGISTRY NUMBER	1256937-27-5
WHO NUMBER	9643

gbk