

May 28, 2014

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (BC-26)	EVINACUMAB
PRONUNCIATION	e" vin ak' ue mab
THERAPEUTIC CLAIM	Treatment of dyslipidemia

CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human protein ANGPTL3 (angiotensin-like 3)) (human monoclonal REGN1500 heavy chain), disulfide with human monoclonal REGN1500 light chain, dimer
2. Immunoglobulin G4-kappa, anti-(human angiotensin-related protein 3 (angiotensin 5, ANG-5, angiotensin-like protein 3)); human monoclonal antibody: γ 4 heavy chain (1-453) [human VH (IGHV3-43*02 (93%) –(IGHD)-IGHJ3*02) [8.8.19] (1-126) –IGHG4*01 H S108>P (234) (127-453)] (140-214')-disulfide with kappa light chain (1'-214') [human V-KAPPA (IGKV1-5*03 (99%) –IGKJ2*01) [6.3.9] (1'-107') -IGKC*01 (108'-214')] dimer (232-232':235-235')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVESGGG	VIQPGGSLRL	SCAASGFTFD	DYAMNWRQG	PGKLEWVSA	50
ISGDGGSTYY	ADSVKGRFTI	SRDNSKNSLY	LQMNSLRAED	TAFFYCAKDL	100
RNTIFGVVIP	DAFDIWGQGT	MVTVSSASTK	GPSVFPLAPC	SRSTSESTAA	150
LGCLVKDYFP	EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	200
SLGTKTYTCN	VDHKPSTTKV	DKRVESKYGP	PCPPCPAPEF	LGGPSVFLFP	250
PKPKDTLMIS	RTPEVTCVVV	DVSQEDPEVQ	FNWYVDGVEV	HNAKTKPREE	300
QFNSTYRVVS	VLTVLHQDWL	NGKEYKCKVS	NKGLPSSIEK	TISKAKGQPR	350
EPQVYTLPPS	QEEMTKNQVS	LTCLVKGFYP	SDIAVEWESN	GQPENNYKTT	400
PPVLDSDGSF	FLYSRLTVDK	SRWQEGNVFS	CSVMHEALHN	HYTQKSLSL	450
LGK					453

Light chain

DIQMTQSPST	LSASVGRVVT	ITCRASQSIR	SWLAWYQQKP	GKAPKLLIYK	50'
ASSLESQVPS	RFSGSGSGTE	FSLTISSSLQP	DDFATYYCQQ	YNSYSYTFGQ	100'
GTKLEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges

22-96	22"-96"	23'-88'	23'''-88'''	134'-194'	134'''-194'''	140-214'	140"-214'"
153-209	153"-209"	232-232"	235-235"	267-327	267'''-327'''	373-431	373"-431'"

Glycosylation sites (N)

Asn-303 Asn-303"

MOLECULAR FORMULA

 $C_{6480}H_{9992}N_{1716}O_{2042}S_{46}$

MOLECULAR WEIGHT

146.1 kDa

TRADEMARK	None as yet
SPONSOR	Regeneron Pharmaceuticals, Inc.
CODE DESIGNATIONS	REGN1500
<u>CAS</u> REGISTRY NUMBER	1446419-85-7
UNII	T8B2ORP1DW
WHO NUMBER	10013

gbk