

December 30, 2014

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (BC-80) ENOBLITUZUMAB
 PRONUNCIATION en oh" ble tooz' ue mab
 THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(antigen B7-H3) (human-*Mus musculus* monoclonal MGA271 heavy chain), disulfide with human-*Mus musculus* monoclonal MGA271 κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(human CD276 antigen (4Ig-B7-H3, costimulatory molecule)); humanized mouse monoclonal antibody: γ 1 heavy chain (1-452) [human VH (IGHV3-48*02-(IGHD)-IGHJ4*01) (92%) [8.8.15] (1-122) -IGHG1*03 CH2[L⁵>V (240),R⁶²>P (297)],CH3[P⁵⁴>L (401)] (123-452) (225-214')-disulfide with kappa light chain (1'-214') [human V-KAPPA (IGKV1D-13*01-IGKJ2*02) (85%) [6.3.9] (1'-107') -IGKC*01 (108'-214')] dimer (231-231":234-234")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	SFGMHWRQA	PGKLEWVAY	50
ISSDSSAIYY	ADTVKGRFTI	SRDNAKNSLY	LQMNSLRDED	TAVYYCGRGR	100
ENIYYGSRLD	YWGQGT ^T TVTV	SSASTKGPSV	FPLAPSSKST	SGGTAALGCL	150
VKDYFPEPVT	VSWNSGALTS	GVHTFPAVLQ	SSGLYSLSSV	VTVPSSSLGT	200
QTYICNVNHK	PSNTKVDKRV	EPKSCDKTHT	CPPCPAPELV	GGPSVFLP	250
KPKDTLMISR	TPEVTCVVVD	VSHEDPEVKF	NWYVDGVEVH	NAKTKPPEEQ	300
YNSTLRVVS	LTVLHQD ^W LN	GKEYKCKVSN	KALPAPIEKT	ISKAKGQPRE	350
PQVYTLPPSR	EEMTKNQVSL	TCLVKGFYPS	DIAVEWESNG	QPENNYK ^T TP	400
LVLDS ^D GSFF	LYSKLTVDKS	RWQQGNV ^F SC	SVMHEALH ^N H	YTQKSLSLSP	450
GK					452

Light chain

DIQLTQSPSF	LSASVGDRVT	ITCKASQNV ^D	TNVAWYQ ^Q KP	GKAPKALIYS	50'
ASYRYS ^G VPS	RFSGSGSGTD	FTLT ^I SS ^L LQP	EDFATYYC ^Q Q	YNNYPFT ^F FGQ	100'
GTKLEIK ^R TV	AAPS ^V FI ^F PP	SDEQLK ^S SGTA	SVVCLLN ^N FY	PREAKVQ ^W KV	150'
DNALQ ^S NSQ	ESVTEQ ^D SKD	STYLS ^S STLT	LSKADY ^E EKHK	VYACEV ^T HQ ^G	200'
LSSPVT ^K SFN	RGEC				214'

Disulfide bridges

22"-96"	22"-96"	23'-88'	23"-88"	134'-194'	134"-194"	149-205	149"-205"
214"-225"	214"-225"	231-231"	234-234"	266-326	266"-326"	372-430	372"-430"

Glycosylation sites (N)

Asn-302 Asn-302"

MOLECULAR FORMULA

C₆₄₇₄H₉₉₉₀N₁₇₂₆O₂₀₃₀S₄₂ (peptide)

MOLECULAR WEIGHT

145.8 kDa (peptide)

TRADEMARK

SPONSOR MacroGenics, Inc.

CODE DESIGNATIONS MGA271

CAS REGISTRY NUMBER 1353485-38-7

UNII M6030H73N9

WHO NUMBER 10165

gbk