

March 25, 2015

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (cd-83) DENINTUZUMAB

PRONUNCIATION den" in tooz' ue mab

THERAPEUTIC CLAIM Treatment of B-cell malignancies

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human CD19 antigen) (human-Mus musculus monoclonal hBU12 heavy chain), disulfide with human-Mus musculus monoclonal hBU12 κ -chain, dimer
2. Immunoglobulin G1-kappa auristatin F conjugate, anti-[Homo sapiens CD19 (B lymphocyte surface antigen B4, Leu-12)], humanized monoclonal antibody; gamma1 heavy chain (1-450) [humanized VH (Homo sapiens IGHV4-31*02 (84.80%) -(IGHD)-IGHJ4*01) [10.7.12] (1-120) -Homo sapiens IGHG1*01 (CH1 (121-218), hinge (219-233), CH2 (234- 343), CH3 (344-448), CHS (449-450)) (121-450)], (223-213')- disulfide with kappa light chain (1'-213') [humanized V-KAPPA (Homo sapiens IGKV3-11*01 (85.30%) -IGKJ2*02) [5.3.9] (1'-106') - Homo sapiens IGKC*01 (107'-213')]; dimer (229-229":232-232")- bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLQESGPG	LVKPSQTLSSL	TCTVSGGSIS	TSGMGVGWIR	QHPGKGLEWI	50
GHIWDDDKR	YNPALKSRVT	ISVDTSKNQF	SLKLSSVTAA	DTAVYYCARM	100
ELWSYYFDYW	GQGTLVTVSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150
DYFPEPTVTS	WNSGALTSKV	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200
YICNVNHHKPS	NTKVDKKEVP	KSCDKTHTCP	PCPAPELLGG	PSVFLFPPKP	250
KDTLMISRTP	EVTCVVVDVS	HEDPEVKFNW	YVDGVEVHNA	KTKPREEQYN	300
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350
VYTLPPSRDE	LTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPV	400
LDSGGSFFLY	SKLTVDKSRW	QQGNVFSCSV	MHEALHNHYT	QKSLSLSPGK	450

Light chain

EIVLTQSPAT	LSLSPGERAT	LSCSASSSVS	YMHVYQQKPG	QAPRLLIYDT	50'
SKLASGIPAR	FSGSGSGTDF	TLTISSELEPE	DVAVYYCFQG	SVYPTTFGQG	100'
TKLEIKRTVA	APSVFIFPPS	DEQLKSGTAS	VVCLLNNFYP	REAKVQWKVD	150'
NALQSGNSQE	SVTEQDSKDS	TYSLSSLTLL	SKADYEEKHKV	YACEVTHQGL	200'
SSPVTKSFNR	GEC				213'

Disulfide bridges

22-97	22"-97"	23'-87'	23""-87""	133'-193'
133""-193""	147-203	147""-203""	223-213'	223""-213""
229-229"	232-232"	264-324	264""-324""	370-428
370"-428"				

Glycosylation sites (N)

Asn-300 Asn-300"

MOLECULAR FORMULA

 $C_{6464}H_{10018}N_{1700}O_{2005}S_{42}$

DENINTUZUMAB

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M15

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MOLECULAR WEIGHT	144.9 kDa
TRADEMARK	None as yet
SPONSOR	Seattle Genetics, Inc.
CODE DESIGNATIONS	hBU12
<u>CAS</u> REGISTRY NUMBER	1630074-14-4
UNII	0LPG0J327L

gbk