

November 26, 2014

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (AB-97) Iodine I 131 derlotuximab biotin
PRONUNCIATION eye' oh dine der" loe tux' i mab bye' oh tin
THERAPEUTIC CLAIM Antineoplastic, treatment of recurrent glioblastoma multiforme
CHEMICAL NAMES

1. Immunoglobulin G1, anti-(DNA/histone complex) (human-*Mus musculus* monoclonal chTNT-1 heavy chain), disulfide with human-*Mus musculus* monoclonal chTNT-1 light chain, dimer, biotinylated, labeled with iodine-131
2. Immunoglobulin G1-kappa, anti-(human DNA/histone H1 complex), chimeric human/murine monoclonal antibody; gamma 1 heavy chain (1-450) [murine VH (*Mus musculus* IGHV2-6-5*01 (99.0%) IGHJ4*01) [8.7.14] (1-110) –Homo sapiens IGHG1*01 CH1V⁹⁸>A(218) (111-450)], (223-215')-disulfide with kappa light chain (1'-215') [murine V-KAPPA (*Mus musculus* IGKV4-57-1*01 (100.0%) –IGKJ1*01) [7.3.9] (1'-108') –Homo sapiens IGKC*01 (109'-215')]; dimer (229-229":232-232")-bisdisulfide biotinylated and [¹³¹I]iodinated

STRUCTURAL FORMULA

Heavy chain

QVQLKESGPG	LVAPSQSLSI	TCTVSGFSLT	DYGVRWIRQP	PGKGLEWLGV	50
IWGGGSTYYN	SALKSRLSIS	KDNSKSQVFL	KMNSLQTDDE	AMYCAKEKR	100
RGYYYAMDYW	GQGTSVTVSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150
DYFPEPVTVS	WNSGALTSV	HTFPVAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200
YICNVNHNKPS	NTKVDKKAEP	KSCDKTHTCP	PCPAPPELLGG	PSVFLFPPKP	250
KDTLMISRTP	EVTCTVVDVDS	HEDPEVKFNW	YVDGVEVHNA	KTKPREEQYN	300
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPAEKTIIS	KAKGQPREPQ	350
VYTLPPSRDE	LTKNQVSLTLC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPPV	400
LDSGGSFFLY	SKLTVDKSRW	QQGNVFSCSV	MHEALHNHYT	QKSLSLSPGK	450

Light chain

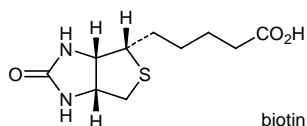
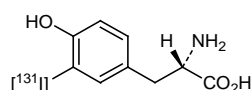
ENVLTQSPAI	MSASPGKVT	MTCRASSVS	SSYLHWYQQK	SGASPKLWIY	50'
STSNLASGVP	ARFSGSGSGT	SYSLTISSVE	AEDAATYYCQ	QYSGYPLTFG	100'
GGTKLEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVVCLLNPF	YPREAKVQWK	150'
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKH	KVYACEVTHQ	200'
GLSSPVTKSF	NRGEC				215'

Disulfide bridges

22-95	22"-95"	23'-89'	23'''-89'''	135'-195'	135'''-195'''	147-203	147"-203"
215'-223	215'''-223'''	229-229"	232-232"	264-324	264'''-324'''	370-428	370"-428"

Modified residues

Y
are partly radiolabeled
3-[¹³¹I]iodotyrosine



Glycosylation sites (N)

Asn-300 Asn-300'

MOLECULAR FORMULA	$C_{6436}H_{9960}N_{1704}O_{2022}S_{46}$
MOLECULAR WEIGHT	145.0 kDa
TRADEMARK	Cotara
SPONSOR	Peregrine Pharmaceuticals, Inc.
CODE DESIGNATIONS	None
<u>CAS</u> REGISTRY NUMBER	340013-96-9
WHO NUMBER	9939

gbk