

July 29, 2015

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (CD-13)	DEPATUXIZUMAB
PRONUNCIATION	de" pa tux iz' ue mab
THERAPEUTIC CLAIM	Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human epidermal growth factor receptor) (human-*Mus musculus* monoclonal ABT-806 heavy chain), disulfide with human-*Mus musculus* monoclonal ABT-806 light chain, dimer
2. Immunoglobulin G1-kappa, anti-(human EGFR protein (Epidermal growth factor receptor)); humanized mouse monoclonal antibody: γ 1 heavy chain (1-446) [humanized VH (human IGHV4-30-4*01 (85%) –(IGHD)-IGHJ4*01 (93%)) [9.7.9] (1-116) –human IGHG1*01 (117-446)] (219-214')-disulfide with kappa light chain (1'-214') [humanized V-KAPPA (mouse IGKV14-100*01 (86%) – IGKJ1*01) [6.3.9] (1'-107') –human IGKC*01 (108'-214')] dimer (225-225":228-228")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QQLQESGPG	LVKPSQTLST	TCTVSGYSIS	SDFAWNWIRO	PPGKLEWWMG	50
YISYSGNTRY	QPSLKSRTIT	SRDTSKNQFF	LKLNSVTAAD	TATYYCVTAG	100
RGFPYWGQGT	LVTVSSASTK	GPSVFPLAPS	SKSTSGGTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	SLGTQTYICN	200
VNHKPSNTKV	DKKVEPKSCD	KTHTCPPCPA	PELLGGPSVF	LFPKPKDITL	250
MISRTPEVTC	VVVDVSHEDP	EVKFNWYVDG	VEVHNAKTKP	REEQYNSTYR	300
VVSVLTVLHQ	DWLNGKEYKC	KVSNKALPAP	IEKTISKAKG	QPREPQVYTL	350
PPSRDELTKN	QVSLTCLVKG	FYPSDIAVEW	ESNGQPENNY	KITPPVLDSD	400
GSFFLYSKLT	VDKSRWQQGN	VFSCSVMHEA	LHNHYTQKSL	SLSPGK	446

Light chain

DIQMTQSPSS	MSVSVGDRVT	ITCHSSQDIN	SNIGWLQKQP	GKSFKGLIYH	50'
GTNLDDGVPS	RFSGSGSGTD	YTLTISLQP	EDFATYYCVQ	YAQFPWTFGG	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"	143-199	143"-199"
214'-219	214"-219"	225-225"	228-228"	260-320	260"-320"	366-424	366"-424"

Glycosylation sites (N)

Asn-296 Asn-296"

MOLECULAR FORMULA

C₆₄₂₈H₉₉₂₀N₁₇₀₄O₂₀₀₈S₄₂ (peptide)

MOLECULAR WEIGHT

144.5 kDa (peptide)

TRADEMARK	None as yet
SPONSOR	AbbVie
CODE DESIGNATIONS	ABT-806
<u>CAS</u> REGISTRY NUMBER	1471999-69-5
UNII	W984C353CG
WHO NUMBER	10262

gbk