

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-82)

MECBOTAMAB VEDOTIN

PRONUNCIATION

mek boe' ta mab ve doe' tin

THERAPEUTIC CLAIM

Treatment of cancers expressing the AXL transmembrane receptor protein

CHEMICAL NAME

Immunoglobulin G1 [de-450-lysine], anti-(human tyrosine kinase receptor AXL) (human-*Mus musculus* monoclonal BA301  $\gamma$ 1-chain), disulfide with human-*Mus musculus* monoclonal BA301  $\kappa$ -chain, dimer, thioether with *N*-[[[4-[[*N*-[6-(3-mercapto-2,5-dioxo-1-pyrrolidinyl)-1-oxohexyl]-*L*-valyl]-*N*<sup>6</sup>-(aminocarbonyl)-*L*-ornithyl]amino]phenyl]methoxy]carbonyl]-*N*-methyl-*L*-valyl-*N*-[(1*S*,2*R*)-4-[(2*S*)-2-[(1*R*,2*R*)-3-[(1*R*,2*S*)-2-hydroxy-1-methyl-2-phenylethyl]amino]-1-methoxy-2-methyl-3-oxopropyl]-1-pyrrolidinyl]-2-methoxy-1-[(1*S*)-1-methylpropyl]-4-oxobutyl]-*N*-methyl-*L*-valinamide (Source: CAS)

STRUCTURAL FORMULA

## Heavy chain

EVQLVQSGAE	VKKPGATVKI	SCKVSGYSFW	GATMNWIRQP	PGKGLEWIGL	50
IKPSNGGTSY	NQKFKGRVTI	SADKSISTAY	LQWSSLKASD	TAMYCAHGH	100
YESYEAMDYW	GQGTLVTVSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150
DYFPEPVTVS	WNSGALTSGV	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200
YICNVNHKPS	NTKVDKKEVP	KSCDKTHTCP	PCPAPELLGG	PSVFLFPPKP	250
KDTLMI SRTP	EVT CVVVDVS	HEDPEVKFNW	YVDGVEVHNA	KTKPREEQYN	300
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350
VYTLPPSRDE	LTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPPV	400
LDSDGSFFLY	SKLTVDKSRW	QQGNVFSCSV	MHEALHNHYT	QKSLSLSPG	450
EVQLVQSGAE	VKKPGATVKI	SCKVSGYSFW	GATMNWIRQP	PGKGLEWIGL	449

## Light chain

DIQMTQSPSS	LSASVGDVRT	ITCKASQDVV	SAVAWYQQKP	GQAPRLLIYW	50'
QDTRHTGVPS	RFSGSGSGTE	FTLTISLQP	DDFATYYCQE	HFSPLPTFGQ	100'
GTKVEIKRTV	AAPS VFI FPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

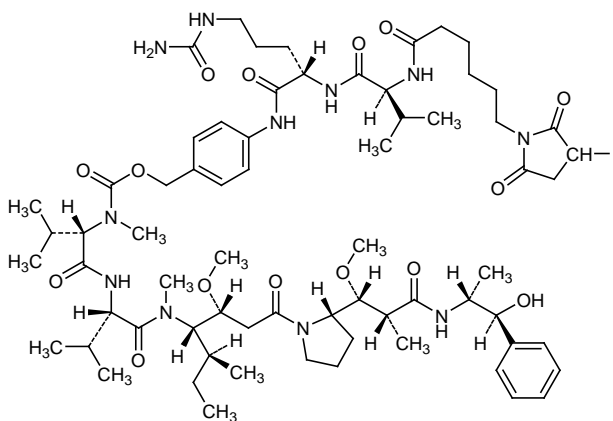
## Disulfide bridges

22-96	22''-96''	23'-88'	23'''-88'''	134'-194'	134'''-194'''	147-203	147''-203''
223-214'	223''-214'''	229-229''	232-232''	264-324	264''-324''	370-428	370''-428''

## Glycosylation sites (N)

300	300''
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Modified residues (X Cysteines are *S*-substituted)



MOLECULAR FORMULA	Not determined
MOLECULAR WEIGHT	Not determined
TRADEMARK	None as yet
SPONSOR	BioAtla, Inc.
CODE DESIGNATIONS	BA3011
<u>CAS</u> REGISTRY NUMBER	2460400-64-8
UNII	VF40YVX65F
WHO NUMBER	11946

gbk