

December 30, 2014

## STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (AB-114)

INEBILIZUMAB

PRONUNCIATION

in eb" i liz' ue mab

THERAPEUTIC CLAIM

Treatment of cancer, systemic sclerosis, and multiple sclerosis

CHEMICAL NAME

Immunoglobulin G1, anti-(human CD19 (antigen)) (human monoclonal MEDI-551 heavy chain), disulfide with human monoclonal MEDI-551 kappa -chain, dimer

## STRUCTURAL FORMULA

## Heavy chain

|             |            |            |            |            |     |
|-------------|------------|------------|------------|------------|-----|
| EVQLVESGGG  | LVQPGGSLRL | SCAASGFTFS | SSWMNWVRQA | PGKLEWVGR  | 50  |
| IYPGDGDTNY  | NVKFKGRFTI | SRDDSKNSLY | LQMNSLKTED | TAVYYCARSG | 100 |
| FITTVRDFDY  | WGQGLVTVS  | SASTKGPSVF | PLAPSSKSTS | GGTAALGCLV | 150 |
| KDYFPEPVTV  | SWNSGALTSG | VHTFPAVLQS | SGLYSLSSVV | TVPSSSLGTQ | 200 |
| TYICNVNHKP  | SNTKVKRVE  | PKSCDKTHTC | PPCPAPELLG | GPSVFLFPPK | 250 |
| PKDTLMISRT  | PEVTCVVVDV | SHEDPEVKFN | WYVDGVEVHN | AKTKPREEQY | 300 |
| NSTYRVVSVL  | TVLHQDWLNG | KEYKCKVSNK | ALPAPIEKTI | SKAKGQPREP | 350 |
| QVYTLPPSRE  | EMTKNQVSLT | CLVKGFYPSD | IAVEWESNGQ | PENNYKTTTP | 400 |
| VLDSDGSEFFL | YSKLTVDKSR | WQQGNVFSCS | VMHEALHNHY | TQKSLSLSPG | x   |
| K           |            |            |            |            | x   |

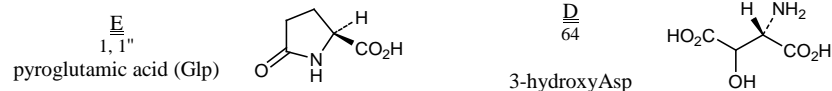
## Light chain

|            |            |            |            |            |      |
|------------|------------|------------|------------|------------|------|
| EIVLTQSPDF | QSVTPKEKVT | ITCRASESVD | TFGISFMNWF | QQKPDQSPKL | 50'  |
| LIHEASNQGS | GVPSRFSGSG | SGTDFTLTIN | SLEAEDAATY | YCQQSKEVPP | 100' |
| TFGGGTKVEI | KRTVAAPSVE | IFPPSDEQLK | SGTASVVCCL | NNFYPREAKV | 150' |
| QWKVDNALQS | GNSQESVTEQ | DSKDYSTYLS | STLTLSKADY | EKHKVYACEV | 200' |
| THQGLSSPVT | KSFNRGEC   |            |            |            | x'   |

## Disulfide bridges

|          |           |          |          |           |           |         |           |
|----------|-----------|----------|----------|-----------|-----------|---------|-----------|
| 22"-96"  | 22"-96"   | 23'-92'  | 23"-92"  | 138'-198' | 138"-198" | 148-204 | 148"-204" |
| 218'-224 | 218"-224" | 230-230" | 233-233" | 265-325   | 265"-325" | 371-429 | 371"-429" |

## Modified residues



## Glycosylation sites (N)

Asn-301 Asn-301"

MOLECULAR FORMULA

C<sub>6504</sub>H<sub>10080</sub>N<sub>1732</sub>O<sub>2044</sub>S<sub>44</sub>

MOLECULAR WEIGHT

147 kDa

TRADEMARK

None as yet

SPONSOR MedImmune, LLC

CODE DESIGNATIONS None

CAS REGISTRY NUMBER 1299440-37-1

UNII 74T7185BMM

WHO NUMBER 9985

gbk