

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-73) GEDIVUMAB

PRONUNCIATION je div' ue mab

THERAPEUTIC CLAIM Treatment of severe influenza-A infection

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(influenza A virus viral hemagglutinin) (human monoclonal MHAA4549A heavy chain), disulfide with human monoclonal MHAA4549A light chain, dimer
2. Immunoglobulin G1-kappa, anti-(*Influenza A virus* Hemagglutinin); *Homo sapiens* monoclonal antibody; γ 1 heavy chain (1-455) [*Homo sapiens* VH (IGHV3-30*01 (90%) –(IGHD)-IGHJ4*01 (87%)) [8.8.18] (1-125) -*Homo sapiens* IGHG1*03 {CH1[R⁹⁷>K(222)} (126-455)] (228-216')-disulfide with κ light chain (1'-216') [*Homo sapiens* V-KAPPA (IGKV3-15*01 (90%) – IGKJ4*01) [6.3.11] (1'-109') -*Homo sapiens* IGKC*01 (110'-216')]; dimer (234-234":237-237")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

| | | | | | |
|------------|-------------|------------|-------------|-------------|-----|
| EVQLVESGGG | VVQPQKSLRL | SCAASGLTFS | SYAVHWVRQA | PGKGLEWVTL | 50 |
| ISYDGANQYY | ADSVKGRFTI | SRDNSKNTVY | LQMNSLRPED | TAVYYCAVPG | 100 |
| PVFGIFPPWS | YFDNWGQGIL | VTVSSASTKG | PSVFPPLAPSS | KSTSGGTAAL | 150 |
| GCLVKDYFPE | PVTVSWNSGA | LTSGVHTFPA | VLQSSGLYSL | SSVVTVPSSS | 200 |
| LGTQTYICNV | NHKPSNTKVD | KKVEPKSCDK | THTCPPCPAP | ELLGGPSVFL | 250 |
| FPPKPKDTLM | ISRTPEVTCV | VVDVSHEDPE | VKFNWYVDGV | EVHNAKTKPR | 300 |
| EEQYNSTYRV | VSVLTVLHQD | WLNQKEYKCK | VSNKALPAPI | EKTIISKAKGQ | 350 |
| PREPQVYTLF | PSREEMTKNQ | VSLTCLVKGF | YPSDIAVEWE | SNGQPENNYK | 400 |
| TTPPVLDSDG | SFFFLYSKLTV | DKSRWQQGNV | FSCSVMHEAL | HNHYTQKSLS | 450 |
| LSPGK | | | | | 455 |

Light chain

| | | | | | |
|------------|------------|------------|-------------|------------|------|
| EIVLTQSPAT | LSVSPGERAT | LSCRASQVIS | HNLAWYQQKP | GQAPRLLIYG | 50' |
| ASTRASGIPA | RFSGSGSGTD | YTLTITSLQS | EDFAVYYCQH | YSNWPPRLTF | 100' |
| GGGTKVEIKR | TVAAPSVFIF | PPSDEQLKSG | TASVVCLLNN | FYPREAKVQW | 150' |
| KVDNALQSGN | SQESVTEQDS | KDSTYSLSST | LTLISKADYEK | HKVYACEVTH | 200' |
| QGLSSPVTKS | FNRGEC | | | | 216' |

Disulfide bridges location

| | | | | | | | |
|----------|------------|----------|-----------|-----------|-------------|---------|-----------|
| 22-96 | 22"-96" | 23'-88' | 23""-88"" | 136'-196' | 136""-196"" | 152-208 | 152"-208" |
| 216'-228 | 216""-228" | 234-234" | 237-237" | 269-329 | 269"-329" | 375-433 | 375"-433" |

Glycosylation sites (N)

Asn-305 Asn-305"

MOLECULAR FORMULA C₆₅₄₂H₁₀₀₉₄N₁₇₄₂O₂₀₁₄S₄₀

MOLECULAR WEIGHT 146.7 kDa

TRADEMARK None as yet

| | |
|----------------------------|------------------------------|
| SPONSOR | Genentech, Inc./Roche |
| CODE DESIGNATIONS | RO6876802, RG7745, MHAA4549A |
| <u>CAS</u> REGISTRY NUMBER | 1807954-17-1 |
| UNII | 6IRE1TI49I |
| WHO NUMBER | 10459 |

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