

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (DE-100) EFGIVANERMIN ALFA

PRONUNCIATION ef' giv a ner' min al' fa

THERAPEUTIC CLAIM Antineoplastic

CHEMICAL NAME

Immunoglobulin G1 (human Fc fragment) fusion protein with peptide (synthetic GS linker) fusion protein with coronin 1A (human trimerization domain fragment) fusion protein with peptide (synthetic GS linker) fusion protein with glucocorticoid-induced tumor necrosis factor ligand (human extracellular domain fragment), homo-hexamers

STRUCTURAL FORMULA

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LDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE 50
DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY 100
KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSREEMT KNQVSLTCLV 150
KGFYPSDIAV EWESNGQPEN NYKTTPPVLG SDGSFFLYSK LTVDKSRWQQ 200
GNVFSCSVMH EALHNHYTQK SLSLSPGKGG GSGGGGGSGG GSGGGGGSGG 250
GGSVSRLEEE MRKLQATVQE LQKRLDRLEE TVQAKGGGGQ LETAKEPCMA 300
KFGPLPSKWQ MASSEPPCVN KVS DWKLEIL QNGLYLIYQ VAPNANYNDV 350
APFEVRLYKN KDMIQTLTNK SKIQNVGGTY ELHVGDTIDL IFNSEHQVLK 400
DNTYWGIIILL ANPQFIS 417
    
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NST = N-glycosylation site

Positions of all disulfide bridges:

Region	Domain	Disulfide bridge
IgG1 Fe	Hinge (inter-chain)	Cys 7-Cys 7, Cys 10-Cys 10
	CH2 (intra-chain)	Cys 42-Cys 102
	CH3 (intra-chain)	Cys 148- Cys 206
GITRL ECD	GITRL ECD intra-chain	Cys 298- Cys 318

MOLECULAR FORMULA Monomer C₂₀₃₃H₃₁₇₁N₅₅₁O₆₂₅S₁₅
Hexamer C₁₂₁₉₈H₁₉₀₂₆N₃₃₀₆O₃₇₅₀S₉₀

MOLECULAR WEIGHT 283,879 Da

TRADEMARK None as yet

SPONSOR MedImmune

CODE DESIGNATION MEDI1873

CAS REGISTRY NUMBER 1807864-13-6

UNII Y2R45V0JU8

WHO NUMBER 10695

SCS