

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (HI-233)

EFBEMALENOGRASTIM ALFA

PRONUNCIATION

ef bem" a len" oh gra' stim al' fa

THERAPEUTIC CLAIM

Treatment to reduce the risk of febrile infection and neutropenia

## CHEMICAL NAMES

1. Granulocyte colony-stimulating factor (human) fusion protein with peptide (synthetic 16-amino acid linker) fusion protein immunoglobulin G2 (human Fc fragment), dimer (Source: CAS)
2. Human short Granulocyte colony-stimulating factor (G-CSF) fused via a peptidyl linker to a human immunoglobulin G2 Fc fragment variant, dimer; Human Granulocyte colony-stimulating factor (G-CSF) isoform Short (missing (36-38) sequence) (1-174) glycylyseryltriglycylserylbis(tetraglycylseryl) linker (175-190) human immunoglobulin heavy constant  $\gamma$ 2 {CH1[-del], Hinge[(1-5)-del, (6-12)>(191-197)], CH2[S<sup>297</sup>>P(101)]} (191-413)] (191-413) fusion protein, dimer (193-193':196-196')-bis disulfide, produced in CHO cells, glycoform alfa

## STRUCTURAL FORMULA

Heavy chains X & X'

TPLGPASSLP	QSFLLKCLEQ	VRKIQQDGAA	LQEKLCATYK	LCHPEELVLL	50
GHS LGIPWAP	LSSCPSQALQ	LAGCLS QLHS	GLFLYQGLLQ	ALEGISPELG	100
PTLDTLQLDV	ADFATTIWQQ	MEELGMAPAL	QPTQGAMPAF	ASAFQRRAGG	150
VLVASHLQSF	LEVSYRVL RH	LAQPGSGGGS	GGGGSGGGS	VECPCCPAPP	200
VAGPSVFLFP	PKPKDTLMIS	RTPEVTCVVV	DVSHEDPEVQ	FNWYVDGVEV	250
HNAKTKPREE	QFNSTFRVVS	VLTVVHQDWL	NGKEYKCKVS	NKGLPASIEK	300
TISKTKGQPR	EPQVYTLPPS	REEMTKNQVS	LTCLVKGFYP	SDIAVEWESN	350
GQPENNYKTT	PPMLDS DGSF	FLYSKLTVDK	SRWQQGNVFS	CSVMHEALHN	400
HYTQKSLSL S	PGK				413

Disulfide bridges location

36-42	36'-42'	64-74'	64'-74'	193-193'
196-196'	227-287	227'-287'	333-391	333'-391'

Glycosylation sites (N & T)

Thr-133 Thr-133' Asn-263 Asn-263'

MOLECULAR FORMULA

89.50 kDa (non glycosylated)

MOLECULAR WEIGHT

89.50 kDa

TRADEMARK

None as yet

SPONSOR

Generon (Shanghai) Corp.

CODE DESIGNATIONS

F-627

CAS REGISTRY NUMBER

2200269-79-8

UNII

5UPW5HJW3O

WHO NUMBER

11068

gbk