

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (HI-213) EFINEPTAKIN ALFA  
PRONUNCIATION ef'' in ep' ta kin al' fa  
THERAPEUTIC CLAIM Treatment of cancer and infectious diseases

## CHEMICAL NAMES

1. Interleukin 7 (human) fusion protein with immunoglobulin (synthetic hybrid Fc fragment hyFc) (Source: CAS)
2. Human fusion protein of methionylglycylmethionyl-(1-3)-Interleukin 7-(4-155)-Immunoglobulin heavy constant delta IGHD\*01 {H1(32-34) H2 CH2(1-11)}-(156-193)-Immunoglobulin heavy constant gamma 4 {CH2(11-110) CH3}-(194-400), dimer (184-184')-disulfide, produced in CHO cells, glycoform alfa (Source: USAN Program chemical consultant)

## STRUCTURAL FORMULA

### Monomer sequence

MGMDCDIEGK	DGKQYESVLM	VSIDQLLDSM	KEIGSNCLNN	EFNFFKRHIC	50
DANKEGMFLF	RAARKLRQFL	KMNSTGDFDL	HLLKVSEGT	ILLNCTGQVK	100
GRKPAALGEA	QPTKSLLEENK	SLKEQKLLND	LCFLKRLLE	IKTCWNKILM	150
GKKEHRNTGR	GGEKKKEKE	KEEQEERETK	TPECPSHTQP	LGVFLFPPKP	200
KDTLMI SRTP	EVTCTVVVDVS	QEDPEVQFNW	YVDGVEVHNA	KTKPREEQFN	250
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKG	LPSSIEKTIS	KAKGQPREPQ	300
VYTLPPSQEE	MTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTPPV	350
LDSDGSFFLY	SRLTVDKSRW	QEGNVFSCSV	MHEALHNHYT	QKSLSLSLGK	400

### Disulfide bridges location

5-95	5'-95'	37-132	37'-132'	50-144	50'-144'
184-184'	214-274	214'-274'	320-378	320'-378'	

### Glycosylation sites (N)

Asn-73 Asn-73' Asn-94 Asn-94'  
Asn-250 Asn-250'

### Glycosylation sites (T)

Thr-113 Thr-113'

MOLECULAR FORMULA  $C_{4012}H_{6350}N_{1104}O_{1238}S_{42}$

MOLECULAR WEIGHT 91.20 kDa

TRADEMARK None as yet

SPONSOR NeolImmuneTech, Inc.

CODE DESIGNATIONS NT-I7

CAS REGISTRY NUMBER 2026634-47-7

UNII 3K3WC6MT6P

WHO NUMBER

10725

gbk