

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (HI-205) EFMARODOCOKIN ALFA  
PRONUNCIATION ef'' mar oh doe koe' kin  
THERAPEUTIC CLAIM Treatment of moderate to severe ulcerative colitis

## CHEMICAL NAMES

1. Interleukin 22 (human (mature)) fusion protein with immunoglobulin G4 (synthetic human  $\gamma$ 4-chain Fc region [81-glycine]), dimer (Source: CAS)
2. Human Interleukin 22 (1-146), fused to human Immunoglobulin heavy constant gamma 4 {CH1(97-98), H[S<sup>10</sup>>P(158)], CH2[N<sup>67</sup>>G(227)]}-(147-377), dimer (156-156':159-159')-bisdisulfide, produced in CHO cells, glycoform alfa (Source: pINN list 122)

## STRUCTURAL FORMULA

### Monomer sequence

APISSHCRLD	KSNFQQPYIT	NRTFMLAKEA	SLADNNTDVR	LIGEKLFHGV	50
SMSERCYLMK	QVLNFTLEEV	LFPQSDRFQP	YMQEVVPFLA	RLSNRLSTCH	100
IEGDDLHIQR	NVQKDKDTVK	KLGESGEIKA	IGELDLLFMS	LRNACIRVES	150
KYGPPCPCPC	APEFLGGPSV	FLFPPKPKDT	LMISRTPEVT	CVVVDVSQED	200
PEVQFNWYVD	GVEVHNAKTK	PREEQFGSTY	RVVSVLTVLH	QDWLNGKEYK	250
CKVSNKGLPS	SIEKTIKAK	GQPREPQVYT	LPPSQEEMTK	NQVSLTCLVK	300
GFYPSDIAVE	WESNGQPENN	YKTTTPVLDS	DGSFFLYSRL	TVDKSRWQEG	350
NVFSCSVMHE	ALHNHYTQKS	LSLSLGK			377

### Disulfide bridges location

7-99	7'-99'	56-145	56'-145'	156-156'
159-159'	191-251	191'-251'	297-355	297'-355'

### Glycosylation sites (N)

Asn-21 Asn-21' Asn-35 Asn-35' Asn-64 Asn-64' Asn-143 Asn-143'

### C-terminal lysine clipping (K)

Lys-377 Lys-377'

MOLECULAR FORMULA C<sub>3802</sub>H<sub>5934</sub>N<sub>1022</sub>O<sub>1142</sub>S<sub>36</sub> (before post-translational modifications)

MOLECULAR WEIGHT 85.39 kDa

TRADEMARK None as yet

SPONSOR Genentech/Roche

CODE DESIGNATIONS RO7021610, RG7880

CAS REGISTRY NUMBER 2247840-74-8

UNII NYZ11835VX

WHO NUMBER

11266

gbk