

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN

PEGINTERFERON BETA-1a

PRONUNCIATION

peg in" ter feer' on

THERAPEUTIC CLAIM

Treatment of multiple sclerosis

CHEMICAL NAMES

1. Poly(oxy-1,2-ethanediyl), α -methyl- ω -hydroxy-, 1-ether with *N*-(3-hydroxy-2-methylpropyl)interferon β -1a (human)
2. $N^{2.1}$ -{(2*RS*)-2-methyl-3-[α -methylpoly(oxyethylene)oxy]propyl}human interferon beta (fibroblast interferon, IFN-beta) glycosylated expressed in mammalian cells

STRUCTURAL FORMULA

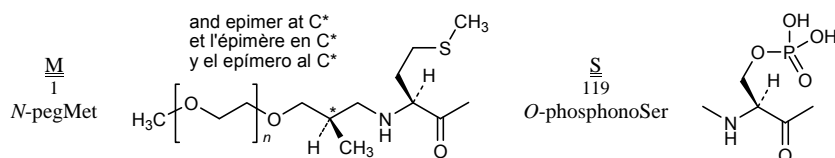
Sequence

<u>M</u> SYNLLGFLQ	RSSNFQCQKL	LWQLNGRLEY	CLKDRMNFDI	PEEIKQLQQF	50
QKEDAALTIY	EMLQNIFAIF	RQDSSSTGWN	ETIVENLLAN	VYHQINHLKT	100
VLEEKLEKED	FTRGKLMSSL	HLKRYYGRIL	HYLKAKEYSH	CAWTIVRVEI	150
LRNFYFINRL	TGYLRN				166

Disulfide bridge

31-141

Modified residue



Glycosylation site (N)

Asn-80

MOLECULAR FORMULA

$\text{C}_{913}\text{H}_{1417}\text{N}_{246}\text{O}_{256}\text{PS}_7[\text{C}_2\text{H}_4\text{O}]_n$

MOLECULAR WEIGHT

44 kDa

TRADEMARK

None as yet

SPONSOR

Biogen IDEC Inc.

CODE DESIGNATION

BIIB017

CAS REGISTRY NUMBER

1211327-92-2