



>>Entry Name: Interferon, BAN

Synonym(s): IF

CAS Registry Number: 9008-11-1

Related CAS Registry Numbers(s): 77907-69-8 98530-12-2

proteins with similar primary structures. As far as is known, every species is a polypeptide chain of 165 or 166 amino-acid residues

Biological Use/Importance: Each interferon group has a different capacity as antiviral, antiproliferative or immunoregulatory agent

>>Variant: Interferon α

Synonym(s): Leucocyte interferon. **Interferon Alfa**, BAN, INN. IFN- α

Biological Source: Isol. from leucocytes

Biological Use/Importance: Immunomodulating agent; used in treatment of hairy cell leukaemia

>>Derivative: Alfa 2a

Synonym(s): **Interferon Alfa-2a**, BAN, INN, USAN. Roferon A. Ro 22-8181

CAS Registry Number: 76543-88-9

Molecular Formula: $C_{860}H_{1353}N_{227}O_{255}S_9$

Molecular Weight: 19241.11

Accurate Mass: 19228.736978

Percentage Composition: C 53.68%; H 7.09%; N 16.52%; O 21.20%; S 1.50%

Biological Source: Prod. from *E. coli* genetically modified by recombinant DNA technology

Biological Use/Importance: Immunomodulator. Used in the treatment of Kaposi sarcoma, leukaemia and hepatitis C

Development Status: Marketed drug. Launched 1996.

>>Derivative: Alfa 2b

Synonym(s): **Interferon Alfa-2b**, BAN, INN, USAN. Alferon. Intron A. Sch 30500

CAS Registry Number: 99210-65-8

Molecular Formula: $C_{860}H_{1353}N_{229}O_{255}S_9$

Molecular Weight: 19269.124

Accurate Mass: 19256.743126

Percentage Composition: C 53.61%; H 7.08%; N 16.65%; O 21.17%; S 1.50%

Biological Use/Importance: Antineoplastic agent, biological response modifier. Pegylated, recombinant interferon alfa-2b (*Peginterferon alfa-2b, BAN*) is used for the treatment of chronic hepatitis C

Development Status: Marketed drug. Worldwide 26th best selling prescription drug as Rebetron (in combination with Ribavirin [BKP72-U](#)) (\$1.36 bn) (Schering-Plough) (2000, PharmaBusiness)

>>Derivative: Alfa 2c

Synonym(s): Berofor alpha 2

CAS Registry Number: 142192-09-4

>>Derivative: Alfa n1

Synonym(s): **Interferon Alfa-n1**, BAN, INN, USAN. Wellferon

Biological Source: Prod. from cultured lymphoblasts

Biological Use/Importance: Antineoplastic agent, biological response modifier

>>Derivative: Alfa n2

Synonym(s): Exovir HZ

Biological Source: Prod. from human blood leucocytes

>>Derivative: Alfa n3

Synonym(s): **Interferon Alfa-n3**, USAN. Leukocyte interferon (obsol.). Alferon LDO. Alferon N Gel. Alferon N Injection

Biological Source: Mixt. of natural interferon and proteins