

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-260)

FOLLITROPIN DELTA

PRONUNCIATION

fol i troe' pin del' ta

THERAPEUTIC CLAIM

Development of Multiple Follicles and Pregnancy in Ovulatory Women undergoing Assisted Reproductive Technology (ART)

CHEMICAL NAMES

1. Follicle-stimulating hormone (human α -subunit reduced), complex with follicle-stimulating hormone (human β -subunit reduced) (9CI) (CAS Name)
2. Follicle-stimulating hormone, glycoform

STRUCTURAL FORMULA

Sequence

Alpha subunit

APDVQDCPEC	TLQENPFFSQ	PGAPILQCMG	CCFSRAYPTP	LRSKKTMLVQ	50
KNVTSESTCC	VAKSYNRVTV	MGGFKVENHT	ACHCSTCYH	KS	100

Beta subunit

NSCELTNITI	AIEKEECRFC	ISINTWCAG	YCYTRDLVYK	DPARPKIQKT	50
CTFKELVYET	VRVPGCAHHA	DSLTYYPVAT	QCHCGKCDSD	STDCTVRGLG	100
PSYCSFGEMK	E				150

Disulfide bridges alpha

C7-C31	C10-C60	C28-C82	C32-C84	C59-C87
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Disulfide bridges - beta

C3-C51	C17-C66	C20-C104	C28-C82	C32-C84	C87-C94
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Glycosylation sites

Alpha subunit	N52	N78
Beta subunit	N7	N24

MOLECULAR FORMULAE

Protein backbone: C₉₇₅H₁₅₁₃N₂₆₇O₃₀₄S₂₆
 α subunit: C₄₃₇H₆₈₂N₁₂₂O₁₃₄S₁₃;
 β subunit: C₅₃₈H₈₃₃N₁₄₅O₁₇₁S₁₃;

MOLECULAR WEIGHT

glycosylated α subunit approx. 15,200 Daltons
 glycosylated β subunit approx. 18,500 Daltons,

TRADEMARK

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CODE DESIGNATIONS

FE 999049

CAS REGISTRY NUMBER

146479-72-3

UNII

2M2GGL7HUP

WHO NUMBER

9732

SCS