



>>**Entry Name:** Gonadorelin, BAN, INN

Synonym(s): Luteinizing hormone-releasing factor, 9Cl. Gonadotrophin releasing hormone. Follicle stimulating hormone releasing factor. Fertagyl. Fertiral. Folliberin. Gonadoliberin. Luliberin. Relefact. LH-RF. LH-RH. FSH-RF. LRF. Hoe 471. Many other names

CAS Registry Number: 9034-40-6

Related CAS Registry Numbers(s): 33515-09-2

5-OxoPro-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-GlyNH₂

Molecular Formula: C₅₅H₇₅N₁₇O₁₃

Molecular Weight: 1182.304

Accurate Mass: 1181.573028

Percentage Composition: C 55.87%; H 6.39%; N 20.14%; O 17.59%

Biological Source: Hormone secreted by the hypothalamus which causes the release from the pituitary of luteinizing hormone (LH) and follicle-stimulating hormone (FSH) which in turn eventually cause the induction of ovulation

Use/Importance: Used in treatment of amenorrhoea and infertility

Optical Rotation: [α]_D²⁵ -50 (c, 1 in AcOH)

Hazard & Toxicity: Human and exp. reprod. effects. Exp. teratogen. LD₅₀ (rat, orl) >3000 mg/kg

Fluka: 62690

Sigma: G6396

>>**Derivative:** Diacetate salt, tetrahydrate

Synonym(s): Gonadorelin acetate, USAN. Abbott 41070. Cryptolin. Cystorelin. Lutamin. Lutrelef. Ovarelin

CAS Registry Number: 52699-48-6

>>**Derivative:** Hydrochloride (1:2)

Synonym(s): Gonadorelin hydrochloride, USAN. AY 24031. Factrel. HRF

CAS Registry Number: 51952-41-1

References:

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