BioVendor
Research Products

Human Buserelin

Product Data Sheet

Cat. No.:
RP1782550001 (1 mg)
RP1782550005 (5 mg)
RP1782550020 (20 mg)

Description

Buserelin belongs to the group of gonadotrophin releasing hormone (gonadorelin) analogues (LHRH agonist). It acts on the pituitary gland which controls the amount of many different types of hormones (chemical messengers). It alters the amount of hormones, particularly the oestrogens androgens. This alteration of hormone levels can be exploited to treat cancers of the prostate gland, which are stimulated to grow by testosterone. Buserelin lowers the levels of testosterone, which starves the tumour of testosterone and causes it to shrink.
Buserelin contains 9 amino acids Glu-His-Trp-Ser-Tyr-D-Ser(tBu)-Leu-Arg-Pro-NHEt and having a molecular weight of 1239.44 Dalton.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The Buserelin peptide was lyophilized with no additives.

Solubility

It is recommended to reconstitute the lyophilized Buserelin in sterile 18MΩ-cm H_2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized Buserelin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Buserelin should b e stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please prevent freeze-thaw cycles.

Purity

Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Usage

BioVendor's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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