



Product Datasheet

Product Name Buserelin
Cata No CB500703
Source
Synonyms

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-NH₂ and having a molecular weight of 1239.44 Dalton.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Purity

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

Formulation

The Buserelin peptide was lyophilized with no additives.

Stability

Lyophilized Buserelin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Buserelin should be 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.