
Product Data Sheet

Product Name: Buserelin
Cat. No.: GP21233
Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Solubility	It is recommended to reconstitute the lyophilized Buserelin in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The Buserelin peptide was lyophilized with no additives.		

Introduction

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.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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