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AR10216PU-L

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## Human Buserelin - Purified

<b>Catalog No.:</b>	AR10216PU-L
<b>Quantity:</b>	20 mg
<b>Background:</b>	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.
<b>Species:</b>	Human
<b>Source:</b>	Synthetic
<b>Format:</b>	<b>State:</b> Sterile Filtered White lyophilized (freeze-dried) powder without additives <b>Purity:</b> > 98.0% as determined by both RP-HPLC and SDS-PAGE analysis <b>Reconstitution:</b> Restore in sterile 18MΩ-cm <sup>-1</sup> H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
<b>Description:</b>	Buserelin contains 9 amino acids <i>Glu-His-Trp-Ser-Tyr-D-Ser(tBu)-Leu-Arg-Pro-NHEt</i> <b>Molecular weight:</b> 1239.44 Da
<b>Storage:</b>	Prior to reconstitution store at 2-8°C for one month or desiccated below -18°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.