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## Product Data Sheet

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Product Name: Histrelin  
Cat. No.: GP21268  
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 Histrelin in sterile 18MΩ-cm H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The Histrelin peptide was lyophilized with no additives.		

### Introduction

Histrelin is a hormone similar to one normally released from the hypothalamus gland in the brain. Histrelin works by decreasing the amount of estrogen and testosterone in the blood. Suppressing estrogen can cause thinning of the bones or slowing of their growth. Histrelin acetate is a potent LHRH agonist which stimulates LH and FSH release and inhibits the actions of sex steroids on the male and female reproductive tracts. After a transient increase, continuous administration results in down regulation of LH and FSH levels followed by a suppression of ovarian and testicular steroid biosynthesis. Histrelin potency in vivo and in vitro is similar to that of the D-Trp6-containing analog. Especially because of its high water solubility and greater lipophilic character, it appears promising for clinical application.

### Stability

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

Histrelin has a molecular formula of C<sub>66</sub>H<sub>86</sub>N<sub>18</sub>O<sub>12</sub>, a.a. sequence of Pyr-His-Trp-Ser-Tyr-D-His(Bzl)-Leu-Arg-Pro-NHEt and having a Mw of 1323.32 Dalton.

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

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