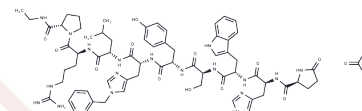


Histrelin acetate

Chemical Properties

CAS No. :	220810-26-4
Formula:	C ₆₈ H ₉₀ N ₁₈ O ₁₄
Molecular Weight:	1383.55
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Histrelin acetate is a nonapeptide analog of gonadotropin-releasing hormone (GnRH) with added potency. It acts on particular cells of the pituitary gland called gonadotropes when present in the bloodstream. Histrelin stimulates these cells to release luteinizing hormone and follicle-stimulating hormone. Thus it is considered a gonadotropin-releasing hormone agonist or GnRH agonist.
Targets(IC50)	GNRH Receptor

Solubility Information

Solubility	H ₂ O: 50 mg/mL (36.14 mM), Sonication is recommended. DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7228 mL	3.6139 mL	7.2278 mL
5 mM	0.1446 mL	0.7228 mL	1.4456 mL
10 mM	0.0723 mL	0.3614 mL	0.7228 mL
50 mM	0.0145 mL	0.0723 mL	0.1446 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Crawford ED. A review of the use of histrelin acetate in the treatment of prostate cancer. BJU Int. 2009 Mar;103 Suppl 2:14-22.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481