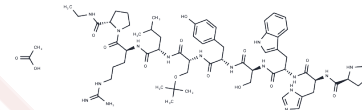


## Buserelin Acetate (57982-77-1 free base)

## Chemical Properties

CAS No. :	68630-75-1
Formula:	C62H90N16O15
Molecular Weight:	1299.48
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	Buserelin Acetate (57982-77-1 free base) (Buserelin Acetate) is an agonist of gonadotropin-releasing hormone receptor(GnRHR).
Targets(IC50)	GNRH Receptor

## Solubility Information

Solubility	H2O: 50 mg/mL (38.48 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7695 mL	3.8477 mL	7.6954 mL
5 mM	0.1539 mL	0.7695 mL	1.5391 mL
10 mM	0.077 mL	0.3848 mL	0.7695 mL
50 mM	0.0154 mL	0.077 mL	0.1539 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

Sand E et al. Buserelin treatment to rats causes enteric neurodegeneration with moderate effects on CRF-immunoreactive neurons and Enterobacteriaceae in colon, and in acetylcholine-mediated permeability in ileum. BMC Res Notes. 2015 Dec 28;8:824.

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