

GnRH Associated Peptide (1-13) Acetate (human)

Chemical Properties

CAS No. :

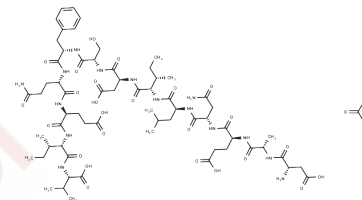
Formula: C67H105N15O27

Molecular Weight: 1552.63

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	GnRH Associated Peptide (GAP) (1-13), human Acetate was found to be a potent inhibitor of prolactin secretion and to stimulate the release of gonadotropins. Active immunization with peptides corresponding to GAP sequences led to greatly increased prolactin secretion.
Targets(IC50)	Others
In vivo	GAP was found to be a potent inhibitor of prolactin secretion and to stimulate the release of gonadotropins in rat pituitary cell cultures. Active immunization with peptides corresponding to GAP sequences led to greatly increased prolactin secretion in rabbits.

Solubility Information

Solubility	DMSO: 70 mg/mL (45.08 mM), Sonication is recommended. H2O: insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6441 mL	3.2203 mL	6.4407 mL
5 mM	0.1288 mL	0.6441 mL	1.2881 mL
10 mM	0.0644 mL	0.322 mL	0.6441 mL
50 mM	0.0129 mL	0.0644 mL	0.1288 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

Károly, Nikolics, Anthony, et al. A prolactin-inhibiting factor within the precursor for human gonadotropin-releasing hormone[*J*]. Nature, 1985, 316(6028):511 - 517.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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