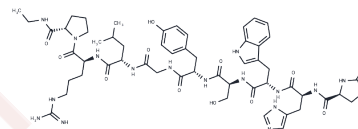


Fertirelin

Chemical Properties

CAS No. :	38234-21-8
Formula:	C ₅₅ H ₇₆ N ₁₆ O ₁₂
Molecular Weight:	1153.29
Appearance:	no data available
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Fertirelin, or fertirelin acetate, sold under the brand name Ovalyse, is a gonadotropin-releasing hormone agonist (GnRH agonist).
Targets(IC50)	Others
In vivo	Fertirelin, a GnRH analog, is 2.5 to 10 times more potent than native GnRH, making it the preferred treatment for reversing follicular cysts[1]. High-dose administration of Fertirelin has been shown to diminish superovulatory responses[2].

Solubility Information

Solubility	DMSO: 11.6 mg/mL (10.06 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	0.8671 mL	4.3354 mL	8.6708 mL
5 mM	0.1734 mL	0.8671 mL	1.7342 mL
10 mM	0.0867 mL	0.4335 mL	0.8671 mL
50 mM	0.0173 mL	0.0867 mL	0.1734 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.

Reference

Nakao T et al. Effect of fenprostalene 14 days after fertirelin treatment on intervals from treatment to conception in cows with follicular cysts diagnosed by milk progesterone test. J Vet Med Sci. 1993 Apr;55(2):207-10.

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