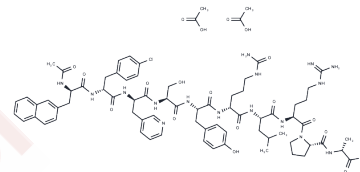


Cetorelix diacetate

Chemical Properties

CAS No. :	130143-01-0
Formula:	C74H100ClN17O18
Molecular Weight:	1551.17
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	Cetorelix diacetate (NS-75A) is a gonadotropin-releasing hormone antagonist. It works by blocking the action of GnRH upon the pituitary, thus rapidly suppressing the production and action of luteinizing hormone (LH) and follicle-stimulating hormone (FSH).
Targets(IC50)	GNRH Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (32.23 mM), Sonication is recommended. H2O: 2 mg/mL (1.29 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	0.6447 mL	3.2234 mL	6.4467 mL
5 mM	0.1289 mL	0.6447 mL	1.2893 mL
10 mM	0.0645 mL	0.3223 mL	0.6447 mL
50 mM	0.0129 mL	0.0645 mL	0.1289 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

Tur-Kaspa I, Ezcurra D. GnRH antagonist, cetrorelix, for pituitary suppression in modern, patient-friendly assisted reproductive technology. *Expert Opin Drug Metab Toxicol*. 2009 Oct;5(10):1323-36. doi: 10.1517/17425250903279969. Review. PubMed PMID: 19761413.

Finas D, Hornung D, Diedrich K, Schultze-Mosgau A. Cetrorelix in the treatment of female infertility and endometriosis. *Expert Opin Pharmacother*. 2006 Oct;7(15):2155-68. Review. PubMed PMID: 17020439.

Reissmann T, Schally AV, Bouchard P, Riethmiller H, Engel J. The LHRH antagonist cetrorelix: a review. *Hum Reprod Update*. 2000 Jul-Aug;6(4):322-31. Review. PubMed PMID: 10972520.

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