

Deslorelin Acetate

Chemical Properties

CAS No.:	82318-06-7
Formula:	C ₆₆ H ₈₇ N ₁₇ O ₁₄
Molecular Weight:	1342.53
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Deslorelin is a gonadotropin-releasing hormone super agonist (GnRH agonist), also known as an LHRH agonist.
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Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.745 mL	3.724 mL	7.449 mL
5 mM	0.149 mL	0.745 mL	1.490 mL
10 mM	0.074 mL	0.372 mL	0.745 mL
50 mM	0.015 mL	0.074 mL	0.149 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. MacGregor MJ, Asa CS, Skinner DC. Variable duration of reproductive suppression in male coyotes (*Canis latrans*) treated with a high dose of the gonadotrophin-releasing hormone agonist deslorelin. *Reprod Fertil Dev.* 2016 May 10. doi: 10.1071/RD15253. [Epub ahead of print] PubMed PMID: 27161891.
2. Raines JA, Fried JJ. Use of deslorelin acetate implants to control aggression in a multi-male group of Rock Hyrax (*Procavia capensis*). *Zoo Biol.* 2016 May 3. doi: 10.1002/zoo.21290. [Epub ahead of print] PubMed PMID: 27142595.
3. Agarwal SK, Daniels A, Drosman SR, Udoff L, Foster WG, Pike MC, Spicer DV, Daniels JR. Treatment of Endometriosis with the GnRHa Deslorelin and Add-Back Estradiol and Supplementary Testosterone. *Biomed Res Int.* 2015;2015:934164. doi: 10.1155/2015/934164. Epub 2015 Dec 31. PubMed PMID: 26881208; PubMed Central PMCID: PMC4736002.
4. Romagnoli S, Baldan A, Righetti C, Milani C, Mollo A, Stelletta C. Semen quality and interval to sterility in tom cats treated with a 9.4 mg deslorelin implant. *J Feline Med Surg.* 2016 Jan 13. pii: 1098612X15623985. [Epub ahead of print] PubMed PMID: 26763267.

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