

## Lecirelin

## Chemical Properties

CAS No.:	61012-19-9
Formula:	C <sub>59</sub> H <sub>84</sub> N <sub>16</sub> O <sub>12</sub>
Molecular Weight:	1209.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Lecirelin is a synthetic GnRH (gonadotropin releasing hormone) analogue which shows a great efficacy in the treatment of bovine ovarian follicular cysts.
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## Solubility Information

Solubility	DMSO: 12.1 mg/mL (10.00 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.827 mL	4.134 mL	8.269 mL
5 mM	0.165 mL	0.827 mL	1.654 mL
10 mM	0.083 mL	0.413 mL	0.827 mL
50 mM	0.017 mL	0.083 mL	0.165 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. Rizzo A et al. Bovine ovarian follicular cysts: in vitro effects of lecorelin, a GnRH analogue. Theriogenology. 2010 Dec;74(9):1559-69.

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