

Elagolix sodium

Chemical Properties

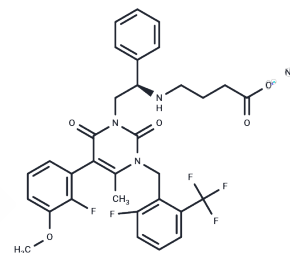
CAS No. : 832720-36-2

Formula: C₃₂H₂₉F₅N₃NaO₅

Molecular Weight: 653.57

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	Elagolix sodium (NBI-56418 sodium) is a GnRH receptor (GnRHR) antagonist (IC ₅₀ and K _i of 0.25 and 3.7 nM, respectively).
Targets(IC ₅₀)	GNRH Receptor
In vivo	Elagolix sodium for the treatment of women with moderate to severe endometriosis-associated pain[1]

Solubility Information

Solubility	DMSO: 27.78 mg/mL (42.51 mM), Sonication is recommended. H ₂ O: 50 mg/mL (76.5 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.06 mM), Sonication is recommended. 10% DMSO+90% Saline: 2.78 mg/mL (4.25 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5301 mL	7.6503 mL	15.3006 mL
5 mM	0.306 mL	1.5301 mL	3.0601 mL
10 mM	0.153 mL	0.765 mL	1.5301 mL
50 mM	0.0306 mL	0.153 mL	0.306 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

Barra F, Scala C, Ferrero S2. Elagolix sodium for the treatment of women with moderate to severe endometriosis-associated pain. *Drugs Today (Barc)*. 2019 Apr;55(4):237-246.

Elagolix (Orilissa)--an oral GnRH antagonist for endometriosis pain.[J]. *The Medical letter on drugs and therapeutics*, 2018.

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