

Enoxaparin sodium

Chemical Properties

CAS No. :	679809-58-6
Formula:	C ₄₂ H ₅₉ N ₃ Na ₄ O ₃₅ S ₂
Molecular Weight:	1322
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	Enoxaparin sodium is a low-molecular-weight heparin (LMWH) that has recently been approved by the US FDA for use in patients with medically managed ST-segment myocardial infarction (STEMI), or STEMI with subsequent percutaneous coronary intervention (PCI). It binds to and potentiates the action of antithrombin, and inhibits coagulation factors XIa, IXa, Xa and IIa (thrombin), thereby preventing formation of blood clots.
Targets(IC50)	Factor Xa,SARS-CoV,Thrombin

Solubility Information

Solubility	DMSO: Insoluble H ₂ O: 132.2 mg/mL (100 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	0.7564 mL	3.7821 mL	7.5643 mL
5 mM	0.1513 mL	0.7564 mL	1.5129 mL
10 mM	0.0756 mL	0.3782 mL	0.7564 mL
50 mM	0.0151 mL	0.0756 mL	0.1513 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

Carter NJ, McCormack PL, Plosker GL. Enoxaparin: a review of its use in ST-segment elevation myocardial infarction. *Drugs*. 2008;68(5):691-710.

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