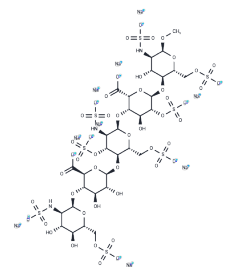


Fondaparinux sodium

Chemical Properties

CAS No. :	114870-03-0
Formula:	C ₃₁ H ₄₄ N ₃ Na ₁₀ O ₄₉ S ₈
Molecular Weight:	1729.09
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Fondaparinux sodium (SR-90107A) is an antithrombin-dependent factor Xa inhibitor with antithrombotic activity.
Targets(IC50)	Factor Xa
In vitro	Fondaparinux sodium is the first agent of a new class of anticoagulants that selectively target factor Xa. The IC ₅₀ values of Fondaparinux(anti-Xa IU/ml) are 0.59±0.05 for activated monocytes (ac-M) and 0.17±0.03 for monocyte-derived microparticles (MMPs)[2].
In vivo	Fondaparinux sodium exhibits a linear, dose-dependent pharmacokinetic profile ensuring a highly predictable response. It is fully bioavailable (100%), with a quick onset and a half-life of 14 to 16 hours, providing prolonged antithrombotic effects throughout a 24-hour period. Notably, the drug does not impact prothrombin time, activated partial thromboplastin time, or platelet function and aggregation[1].

Solubility Information

Solubility	H ₂ O: 17.36mM, DMSO: 60 mg/mL (34.7 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5783 mL	2.8917 mL	5.7834 mL
5 mM	0.1157 mL	0.5783 mL	1.1567 mL
10 mM	0.0578 mL	0.2892 mL	0.5783 mL
50 mM	0.0116 mL	0.0578 mL	0.1157 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.

Reference

Bauer KA. et al. Fondaparinux sodium: a selective inhibitor of factor Xa. Am J Health Syst Pharm. 2001 Nov 1;58 Suppl 2:S14-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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