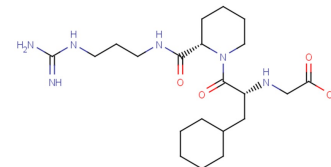


Inogatran

Chemical Properties

CAS No.:	155415-08-0
Formula:	C ₂₁ H ₃₈ N ₆ O ₄
Molecular Weight:	438.56
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Inogatran is a synthetic thrombin inhibitor, developed for the possible treatment and prophylaxis of venous and arterial thrombotic diseases.
Targets(IC ₅₀)	Others: None
In vivo	Inogatran also improves vena caval blood flow and reduces the overall incidence of thrombotic occlusion in a rat model. Inogatran (H-314-27; 0.075, 0.25, 0.75 mg/kg, i.v.) results in dose-dependent increases in activated partial thromboplastin time (aPTT), thrombin time (TT), and prothrombin time (PT) in a canine electrolytic injury model of venous thrombosis. Inogatran dose-dependently inhibits thrombus formation, which is measured as an increase in time to occlusion (TTO) and a decrease in thrombus weight.

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	2.28 mL	11.401 mL	22.802 mL
5 mM	0.456 mL	2.28 mL	4.56 mL
10 mM	0.228 mL	1.14 mL	2.28 mL
50 mM	0.046 mL	0.228 mL	0.456 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

- Ignasiak DP, et al. Effects of Intravenous Enoxaparin and Intravenous Inogatran in an Electrolytic Injury Model of Venous Thrombosis in the Dog. *J Thromb Thrombolysis*. 1998 Nov;6(3):199-206.
- Chi L, et al. Antithrombotic effect of LB-30057 (CI-1028), a new synthetic thrombin inhibitor, in a rabbit model of thrombosis: comparison with inogatran. *J Thromb Thrombolysis*. 2001 Feb;11(1):19-31.

Inhibitors · Natural Compounds · Compound Libraries

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