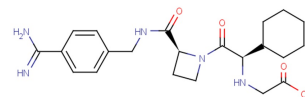


Melagatran

Chemical Properties

CAS No.:	159776-70-2
Formula:	C ₂₂ H ₃₁ N ₅ O ₄
Molecular Weight:	429.51
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Melagatran does not require endogenous co-factors for its antithrombin effect and may help to alleviate some of the damaging effects of endotoxemia. Melagatran has the potential to provide a rational approach in the prevention of arterial occlusion. Melagatran is a direct and orally active inhibitor of thrombin, without interacting with any other enzymes in the coagulation cascade or fibrinolytic enzymes aside from thrombin.
Targets(IC ₅₀)	Thrombin: None

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	2.328 mL	11.641 mL	23.282 mL
5 mM	0.466 mL	2.328 mL	4.656 mL
10 mM	0.233 mL	1.164 mL	2.328 mL
50 mM	0.047 mL	0.233 mL	0.466 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. Eriksson M, et al. Effects of melagatran, a novel direct thrombin inhibitor, during experimental septic shock. Expert Opin Investig Drugs. 2000 May;9(5):1129-37.
2. Mehta JL, et al. Melagatran, an oral active-site inhibitor of thrombin, prevents or delays formation of electrically induced occlusive thrombus in the canine coronary artery. J Cardiovasc Pharmacol. 1998 Mar;31(3):345-51.

Inhibitors · Natural Compounds · Compound Libraries

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