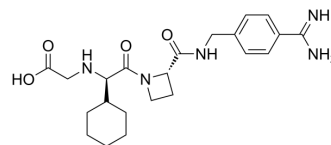


Melagatran

Cat. No.:	HY-129056		
CAS No.:	159776-70-2		
Molecular Formula:	C ₂₂ H ₃₁ N ₅ O ₄		
Molecular Weight:	429.51		
Target:	Thrombin		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	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. Melagatran does not require endogenous co-factors for its antithrombin effect and may help to alleviate some of the damaging effects of endotoxemia ^[1] . Melagatran has the potential to provide a rational approach in the prevention of arterial occlusion ^[2] .
IC ₅₀ & Target	Thrombin ^[1]

REFERENCES

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

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