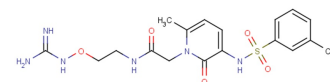


RWJ-445167

Chemical Properties

CAS No.:	226566-43-4
Formula:	C ₁₈ H ₂₄ N ₆ O ₅ S
Molecular Weight:	436.49
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	RWJ-445167 is a thrombin and factor Xa dual inhibitor(Ki of 4.0 nM and 230 nM, respectively), with potent antithrombotic activity.
Targets(IC ₅₀)	thrombin: ki: 4.0 nM factor Xa: 230 nM (ki)

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	2.291 mL	11.455 mL	22.91 mL
5 mM	0.458 mL	2.291 mL	4.582 mL
10 mM	0.229 mL	1.146 mL	2.291 mL
50 mM	0.046 mL	0.229 mL	0.458 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. RWJ-445167, et al. Exploration of potential prodrugs of RWJ-445167, an oxyguanidine-based dual inhibitor of thrombin and factor Xa. Chem Biol Drug Des. 2006 Jul;68(1):29-36.

Inhibitors · Natural Compounds · Compound Libraries

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