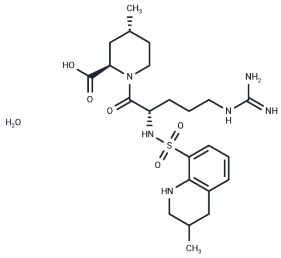
Data Sheet (Cat.No.T22246)

TargetMol

Argatroban Monohydrate

Chemical Properties



CAS No. : 141396-28-3

Formula: C23H38N6O6S

Molecular Weight: 526.65

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Argatroban Monohydrate is a selective thrombin inhibitor and a non-heparin anticoagulant that effectively prevents thrombosis. It is commonly used in thrombolysis model studies.
Targets(IC50)	Thrombin

Solubility Information

Solubility	DMSO: 99 mg/mL (187.98 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (6.27 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8988 mL	9.494 mL	18.9879 mL
5 mM	0.3798 mL	1.8988 mL	3.7976 mL
10 mM	0.1899 mL	0.9494 mL	1.8988 mL
50 mM	0.038 mL	0.1899 mL	0.3798 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Berry CN, et al. Br J Pharmacol,1994, 113(4), 1209-1214.
Yoshinaga M, et al. Eur J Pharmacol,2003, 461(1), 9-17.
Kawai H, et al. Jpn J Pharmacol,1995, 69(2), 143-148.
Kawai H, et al. J Pharmacol Exp Ther,1996, 278(2), 780-785.

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