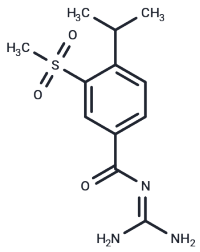
Data Sheet (Cat.No.T2238)

TargetMol

Cariporide

Chemical Properties



CAS No. : 159138-80-4

Formula: C12H17N3O3S

Molecular Weight: 283.35

Storage: 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	Cariporide (HOE-642) (HOE-642), an effective NHE1 inhibitor, has inhibitory effects on the degranulation of human platelets, the formation of platelet-leukocyte-aggregates, and the activation of the GPIIb/IIIa receptor (PAC-1).
Targets(IC50)	Sodium Channel

Solubility Information

Solubility	DMSO: 250 mg/mL (882.3 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 10 mg/mL (35.29 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (35.29 mM),Solution. *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	3.5292 mL	17.646 mL	35.292 mL
5 mM	0.7058 mL	3.5292 mL	7.0584 mL
10 mM	0.3529 mL	1.7646 mL	3.5292 mL
50 mM	0.0706 mL	0.3529 mL	0.7058 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

Yang X, et al. J Surg Res. 2013 Dec;185(2):797-804. 2. Wu S, et al. Pharmacology. 2013; 91(3-4):123-30.

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