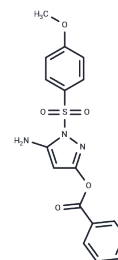


SID-852843

Chemical Properties

CAS No. : 909859-19-4
 Formula: C₁₇H₁₅N₃O₅
 Molecular Weight: 373.38
 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	SID-852843 is a WNV NS2B-NS3 protease inhibitor with an IC ₅₀ value of 0.105 μM for WNV NS2B-NS3 protease and can be used for the study of viral infections.
Targets(IC ₅₀)	Virus Protease

Solubility Information

Solubility	DMSO: 90 mg/mL (241.04 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 (8.84 mM), Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6782 mL	13.3912 mL	26.7824 mL
5 mM	0.5356 mL	2.6782 mL	5.3565 mL
10 mM	0.2678 mL	1.3391 mL	2.6782 mL
50 mM	0.0536 mL	0.2678 mL	0.5356 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

Sidique S, et al. Structure-activity relationship and improved hydrolytic stability of pyrazole derivatives that are allosteric inhibitors of West Nile Virus NS2B-NS3 proteinase. *Bioorg Med Chem Lett.* 2009;19(19):5773-5777.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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