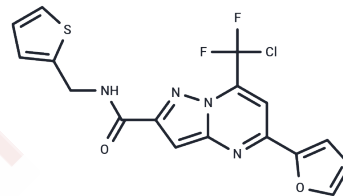


## Anguizole

## Chemical Properties

CAS No. :	442666-98-0
Formula:	C17H11ClF2N4O2S
Molecular Weight:	408.81
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	Anguizole, a small molecule, effectively inhibits Hepatitis C Virus (HCV) replication by modifying the subcellular distribution of NS4B. It demonstrates its potency with an IC50 value, highlighting its specific target action against HCV.
Targets(IC50)	Others,HCV Protease

## Solubility Information

Solubility	DMSO: 50 mg/mL (122.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (6.12 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	2.4461 mL	12.2306 mL	24.4612 mL
5 mM	0.4892 mL	2.4461 mL	4.8922 mL
10 mM	0.2446 mL	1.2231 mL	2.4461 mL
50 mM	0.0489 mL	0.2446 mL	0.4892 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

Bryson, Paul D. et al. A small molecule inhibits HCV replication and alters NS4B's subcellular distribution Antiviral Research (2010), 87(1), 1-8.

Cho, Nam-Joon et al. Identification of a class of HCV inhibitors directed against the nonstructural protein NS4B. Science Translational Medicine (2010), 2(15), No pp. given.

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