Data Sheet (Cat.No.T37385)

TargetMol

Glutaminase-IN-3

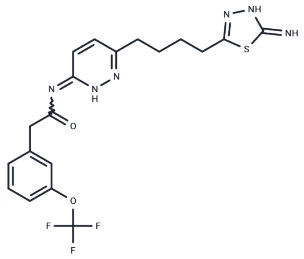
Chemical Properties

CAS No. : 1439399-45-7

Formula: C19H19F3N6O2S

Molecular Weight: 452.45

Storage: Keep away from direct sunlight
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	Glutaminase-IN-3 is a potent Glutaminase 1 inhibitor with potential antitumor activity and inhibits GLS1 for cancer research.
Targets(IC50)	Glutaminase

Solubility Information

Solubility	DMSO: 45 mg/mL (99.46 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (4.42 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	2.2102 mL	11.0509 mL	22.1019 mL
5 mM	0.442 mL	2.2102 mL	4.4204 mL
10 mM	0.221 mL	1.1051 mL	2.2102 mL
50 mM	0.0442 mL	0.221 mL	0.442 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

Mark K. Bennett,et al. Treatment of cancer with heterocyclic inhibitors of glutaminase. WO2014089048A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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