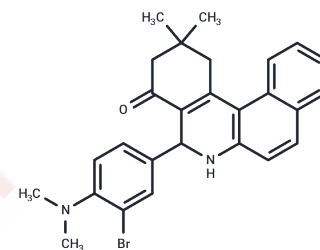


Glutaminase C-IN-1

Chemical Properties

CAS No. :	311795-38-7
Formula:	C ₂₇ H ₂₇ BrN ₂ O
Molecular Weight:	475.42
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	Glutaminase C-IN-1 (Compound 968) is an allosteric inhibitor of Glutaminase C (GLS1).
Targets(IC50)	Glutaminase

Solubility Information

Solubility	DMSO: 50 mg/mL (105.17 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 (5.26 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	2.1034 mL	10.517 mL	21.034 mL
5 mM	0.4207 mL	2.1034 mL	4.2068 mL
10 mM	0.2103 mL	1.0517 mL	2.1034 mL
50 mM	0.0421 mL	0.2103 mL	0.4207 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

Stalnecker CA, et al. Mechanism by which a recently discovered allosteric inhibitor blocks glutamine metabolism in transformed cells. Proc Natl Acad Sci U S A. 2015 Jan 13;112(2):394-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481