

Glutaminase C Inhibitor 11

Chemical Properties

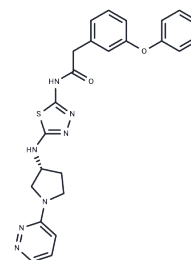
CAS No. :

Formula: C₂₄H₂₃N₇O₂S

Molecular Weight: 473.55

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 Inhibitor 11 is a potent inhibitor specifically targeting Glutaminase C (GAC), demonstrating significant inhibition of GAC enzyme activity with an EC ₅₀ value of 10.64 nM. It effectively diminishes the viability of A549 non-small cell lung cancer (NSCLC) cells, presenting an IC ₅₀ of 4.025 nM. Moreover, at concentrations of 0.1 and 1 μM, it substantially impedes colony formation and reduces intracellular glutamate levels in A549 cells. Demonstrating efficacy in vivo, Glutaminase C Inhibitor 11 at a dosage of 100 mg/kg markedly curtails tumor growth in an A549 mouse xenograft model.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1117 mL	10.5585 mL	21.1171 mL
5 mM	0.4223 mL	2.1117 mL	4.2234 mL
10 mM	0.2112 mL	1.0559 mL	2.1117 mL
50 mM	0.0422 mL	0.2112 mL	0.4223 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.

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