

LWG-301

Chemical Properties

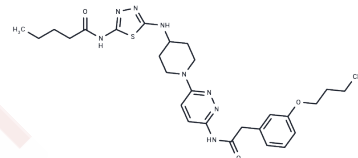
CAS No. :

Formula: C28H38N8O3S

Molecular Weight: 566.72

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	LWG-301, an allosteric inhibitor of Glutaminase 1 (GLS1), demonstrates a potent inhibition with an IC50 value of 7 nM. It effectively impedes glutamine metabolism and elevates intracellular ROS levels, thereby inducing apoptosis. Additionally, LWG-301 shows moderate antitumor efficacy in the HCT116 xenograft model.
Targets(IC50)	Apoptosis,Others,Glutaminase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7645 mL	8.8227 mL	17.6454 mL
5 mM	0.3529 mL	1.7645 mL	3.5291 mL
10 mM	0.1765 mL	0.8823 mL	1.7645 mL
50 mM	0.0353 mL	0.1765 mL	0.3529 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

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