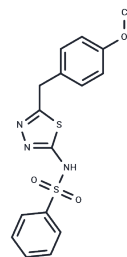


OU749

Chemical Properties

CAS No. : 519170-13-9
 Formula: C₁₆H₁₅N₃O₃S₂
 Molecular Weight: 361.44
 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	OU749 is a γ -glutamyl transferase (GGT) inhibitor with an intrinsic K_i of 17.6 μ M.
Targets(IC50)	Others,Transferase

Solubility Information

Solubility	DMSO: 245 mg/mL (677.84 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 10 mg/mL (27.67 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (27.67 mM),Suspension. <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	2.7667 mL	13.8336 mL	27.6671 mL
5 mM	0.5533 mL	2.7667 mL	5.5334 mL
10 mM	0.2767 mL	1.3834 mL	2.7667 mL
50 mM	0.0553 mL	0.2767 mL	0.5533 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

Wang L, et al. Fighting against drug-resistant tumors by the inhibition of γ -glutamyl transferase with supramolecular platinum prodrug nano-assemblies. *J Mater Chem B*. 2021 Jun 2;9(22):4587-4595.

King JB, et al. A novel, species-specific class of uncompetitive inhibitors of gamma-glutamyl transpeptidase. *J Biol Chem*. 2009 Apr 3;284(14):9059-65.

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