Data Sheet (Cat.No.T14563)

TargetMol

BI-4916

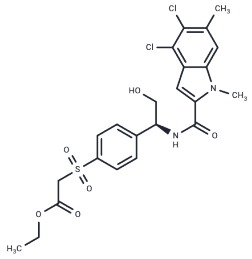
Chemical Properties

CAS No. : 2244451-48-5

Formula: C23H24Cl2N2O6S

Molecular Weight: 527.42

Storage: Store at low temperature
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	BI-4916 is a selective phosphoglycerate dehydrogenase (PHGDH) inhibitor that inhibits SSP and reduces the migration of cancer cells.BI-4916 can be used in the study of cancer and metabolic diseases.
Targets(IC50)	Dehydrogenase

Solubility Information

Solubility	DMSO: 100 mg/mL (189.6 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (6.26 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	1.896 mL	9.4801 mL	18.9602 mL
5 mM	0.3792 mL	1.896 mL	3.792 mL
10 mM	0.1896 mL	0.948 mL	1.896 mL
50 mM	0.0379 mL	0.1896 mL	0.3792 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

Weinstabl H, et al. Intracellular Trapping of the Selective Phosphoglycerate Dehydrogenase (PHGDH) Inhibitor BI-4924 Disrupts Serine Biosynthesis. J Med Chem. 2019 Jul 31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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