

BI-3812

Chemical Properties

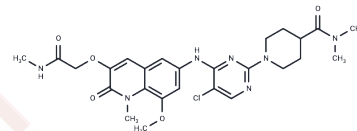
CAS No. : 2166387-64-8

Formula: C₂₆H₃₂ClN₇O₅

Molecular Weight: 558.03

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	BI-3812 is an inhibitor of BCL6. Which inhibiting the BTB domain of BCL6 (IC ₅₀ : 3 nM). BI-3812 also has antitumor activity.
Targets(IC ₅₀)	Bcl-2 Family,Bcl-6
In vivo	BI-3812 is a BCL6 inhibitor with an IC ₅₀ of ≤3 nM, and demonstrates an IC ₅₀ of 40 nM for cellular BCL6[1].

Solubility Information

Solubility	DMSO: 19.83 mg/mL (35.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1.5 mg/mL (2.69 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	1.792 mL	8.9601 mL	17.9202 mL
5 mM	0.3584 mL	1.792 mL	3.584 mL
10 mM	0.1792 mL	0.896 mL	1.792 mL
50 mM	0.0358 mL	0.1792 mL	0.3584 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

Kerres N, et al. Chemically Induced Degradation of the Oncogenic Transcription Factor BCL6. Cell Rep. 2017 Sep 19; 20(12):2860-2875.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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