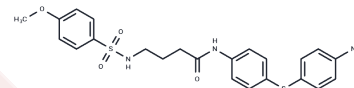


BI-6C9

Chemical Properties

CAS No. :	791835-21-7
Formula:	C ₂₃ H ₂₅ N ₃ O ₄ S ₂
Molecular Weight:	471.59
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-6C9 is an inhibitor of tBid (Kd = 20 μM). BI-6c9 prevented MOMP and mitochondrial fission, and protected the cells from cell death.
Targets(IC50)	Apoptosis, Mitochondrial Metabolism

Solubility Information

Solubility	DMSO: 240 mg/mL (508.92 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (10.6 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	2.1205 mL	10.6024 mL	21.2049 mL
5 mM	0.4241 mL	2.1205 mL	4.241 mL
10 mM	0.212 mL	1.0602 mL	2.1205 mL
50 mM	0.0424 mL	0.212 mL	0.4241 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

Grohm J , Plesnila N , Culmsee C . Bid mediates fission, membrane permeabilization and peri-nuclear accumulation of mitochondria as a prerequisite for oxidative neuronal cell death[J]. Brain, Behavior, and Immunity, 2010, 24(5):0-838.

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