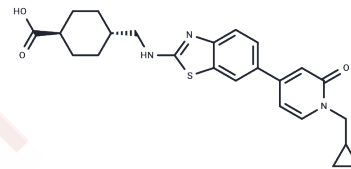


AZ044

## Chemical Properties

CAS No. : 1800017-49-5  
 Formula: C<sub>24</sub>H<sub>27</sub>N<sub>3</sub>O<sub>3</sub>S  
 Molecular Weight: 437.55  
 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	AZ044 is a potent, selective inhibitor of type III phosphatidylinositol-4-kinase alpha-subtype (PI4KIIIalpha).
Targets(IC50)	PI3K,PI4K

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (51.42 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: 2 mg/mL (4.57 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	2.2855 mL	11.4273 mL	22.8545 mL
5 mM	0.4571 mL	2.2855 mL	4.5709 mL
10 mM	0.2285 mL	1.1427 mL	2.2855 mL
50 mM	0.0457 mL	0.2285 mL	0.4571 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

Raubo P, et al. Discovery of potent, selective small molecule inhibitors of  $\alpha$ -subtype of type III phosphatidylinositol-4-kinase (PI4KIII $\alpha$ ). Bioorg Med Chem Lett. 2015 Aug 15;25(16):3189-93.

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