

AZ2

Chemical Properties

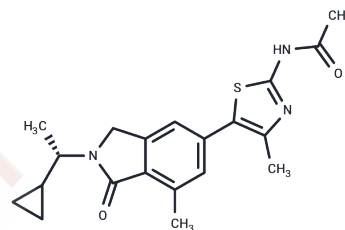
CAS No. : 2231760-33-9

Formula: C₂₀H₂₃N₃O₂S

Molecular Weight: 369.48

Storage: Store at low temperature, Keep away from moisture
 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	AZ2 is a highly selective, active PI3K γ inhibitor (pIC ₅₀ =9.3) for use in inflammatory and immune disorders.
Targets(IC ₅₀)	PI3K
In vitro	In SKOV-3 cells, the superior selectivity of AZ2 (0.1-100 nM, 1 hour) for PI3K γ was further confirmed in the constitutively activated PI3K/Akt pathway [1].

Solubility Information

Solubility	DMSO: 40 mg/mL (108.26 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (5.41 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	2.7065 mL	13.5325 mL	27.0651 mL
5 mM	0.5413 mL	2.7065 mL	5.413 mL
10 mM	0.2707 mL	1.3533 mL	2.7065 mL
50 mM	0.0541 mL	0.2707 mL	0.5413 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

Gangadhara G, et al. A class of highly selective inhibitors bind to an active state of PI3K γ . Nat Chem Biol. 2019;15(4):348-357.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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