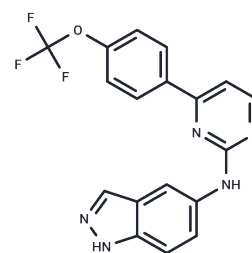


ALLO-2

Chemical Properties

CAS No. :	1357350-60-7
Formula:	C ₁₈ H ₁₂ F ₃ N ₅ O
Molecular Weight:	371.32
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	ALLO-2 is a Inhibitor of Drug-Resistant Smo Mutant.It inhibits Smo agonist Hh-Ag1.5-induced luciferase expression in TM3-Gli-Luc cells with IC50 of 6 nM.
Targets(IC50)	Hedgehog/Smoothened,Smo

Solubility Information

Solubility	DMSO: 125 mg/mL (336.64 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: 4 mg/mL (10.77 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	2.6931 mL	13.4655 mL	26.9309 mL
5 mM	0.5386 mL	2.6931 mL	5.3862 mL
10 mM	0.2693 mL	1.3465 mL	2.6931 mL
50 mM	0.0539 mL	0.2693 mL	0.5386 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

Tao H, et al. Small molecule antagonists in distinct binding modes inhibit drug-resistant mutant of smoothened.
Chem Biol. 2011 Apr 22;18(4):432-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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