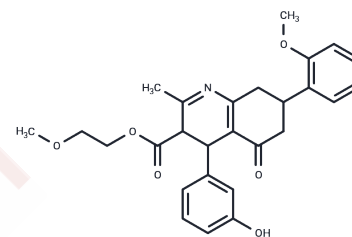


HPI 1

Chemical Properties

CAS No. :	599150-20-6
Formula:	C ₂₇ H ₂₉ N ₀ O ₆
Molecular Weight:	463.52
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	HPI 1 is a hedgehog (Hh) signaling inhibitor. Inhibits Sonic hedgehog (Shh)-, SAG- and Gli-induced Hh pathway activation in Shh-LIGHT2 cells (IC ₅₀ values are 1.5, 1.5, 4, and 6 μM for Shh-, SAG-, Gli2- and Gli1-induced activation).
Targets(IC ₅₀)	Hedgehog/Smoothened

Solubility Information

Solubility	DMSO: 150 mg/mL (323.61 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: 2.5 mg/mL (5.39 mM), Sonication is recommended. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (21.57 mM), Solution. 10% DMSO+90% Saline: < 10 mg/mL (21.57 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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	2.1574 mL	10.787 mL	21.574 mL
5 mM	0.4315 mL	2.1574 mL	4.3148 mL
10 mM	0.2157 mL	1.0787 mL	2.1574 mL
50 mM	0.0431 mL	0.2157 mL	0.4315 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

Gavriš E, et al. In vitro and in vivo activities of HPI1, a selective antimicrobial against *Helicobacter pylori*. *Antimicrob Agents Chemother*. 2014 Jun;58(6):3255-60.

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