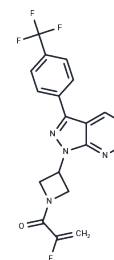


YAP/TAZ inhibitor-2

Chemical Properties

CAS No. :	2762617-31-0
Formula:	C ₁₉ H ₁₄ F ₄ N ₄ O
Molecular Weight:	390.33
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	YAP/TAZ inhibitor-2 is a potent, orally active TEAD-YAP/TAZ inhibitor with an EC ₅₀ value of 3 nM, demonstrating anti-proliferative and antitumor activity [1].
Targets(IC ₅₀)	YAP
In vitro	YAP/TAZ inhibitor-2 (compound 5) exhibits antiproliferative activity in NCI-H226 cells, with an IC ₅₀ value of 5.33 nM over 24 hours at concentrations ranging from 0 to 20000 nM [1].
In vivo	YAP/TAZ inhibitor-2 (0.5, 2, 5, 50 mg/kg; p.o.; daily for 28 days) exhibits anti-tumor activity without significant body weight loss during the treatment in BALB/c nude mice (NCI-H226 xenograft model) [1].

Solubility Information

Solubility	DMSO: 150 mg/mL (384.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 10 mg/mL (25.62 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (25.62 mM),Solution. <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	2.5619 mL	12.8097 mL	25.6193 mL
5 mM	0.5124 mL	2.5619 mL	5.1239 mL
10 mM	0.2562 mL	1.281 mL	2.5619 mL
50 mM	0.0512 mL	0.2562 mL	0.5124 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

Xu, xiaofeng, et al. Bicyclic compounds, compositions and use thereof. WO2022037568A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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