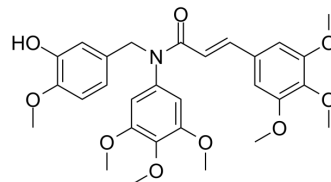


MY-1076

Cat. No.:	HY-155360		
CAS No.:	3008262-76-5		
Molecular Formula:	C ₂₉ H ₃₃ NO ₉		
Molecular Weight:	539.57		
Target:	YAP; Apoptosis		
Pathway:	Stem Cell/Wnt; Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (185.33 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.8533 mL	9.2666 mL	18.5333 mL
		5 mM	0.3707 mL	1.8533 mL	3.7067 mL
10 mM		0.1853 mL	0.9267 mL	1.8533 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (4.63 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (4.63 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	MY-1076 is an inhibitor of YAP. MY-1076 induces YAP degradation and cell apoptosis. MY-1076 inhibits MGC-803, SGC-7901, HCT-116 and KYSE450 cells proliferation with IC ₅₀ s of 0.019, 0.017, 0.020 and 0.044 μM, respectively ^[1] .
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REFERENCES

[1]. Xiang-Jing Fu, et al. Design, synthesis and biological evaluation of N-benzylaryl cinnamide derivatives as tubulin polymerization inhibitors capable of promoting YAP degradation with potent anti-gastric cancer activities, European Journal of Medicinal Chemistry, Volume 262, 2023, 115883.

Caution: Product has not been fully validated for medical applications. For research use only.

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