

MY-1076

## Chemical Properties

CAS No. : 3008262-76-5

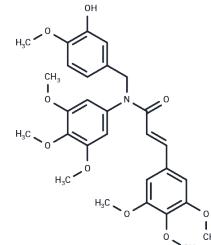
Formula: C29H33NO9

Molecular Weight: 539.57

Appearance: Solid

Storage: store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	MY-1076 is a potent YAP inhibitor with antigastric cancer activity. MY-1076 dose-dependently induced G2/M phase block, induced YAP degradation and apoptosis, and inhibited microtubule protein polymerization. MY-1076 inhibited the proliferation of MGC-803, SGC-7901, HCT-116, and KYSE450 cells.
Targets(IC50)	Apoptosis, YAP

## Solubility Information

Solubility	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (6.12 mM), Sonication is recommended. DMSO: 80 mg/mL (148.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0371 mL	0.1853 mL	0.3707 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.

## Reference

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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