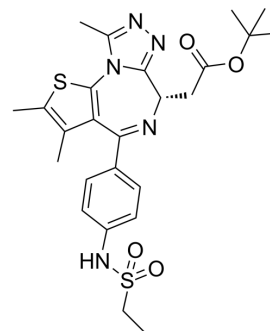


## MMH2-NR

<b>Cat. No.:</b>	HY-157592		
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>31</sub> N <sub>5</sub> O <sub>4</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	529.67		
<b>Target:</b>	Epigenetic Reader Domain		
<b>Pathway:</b>	Epigenetics		
<b>Storage:</b>	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 (188.80 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8880 mL	9.4398 mL	18.8797 mL
5 mM	0.3776 mL	1.8880 mL	3.7759 mL
10 mM	0.1888 mL	0.9440 mL	1.8880 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.5 mg/mL (4.72 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (4.72 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (4.72 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

MMH2-NR a negative control of MMH2. MMH2 is a CUL4-associated factor (DCAF16)-based bromodomain protein 4 (BRD4) degrader<sup>[1]</sup>.

### REFERENCES

- [1]. Yen-Der Li, et al. Template-assisted covalent modification of DCAF16 underlies activity of BRD4 molecular glue degraders. bioRxiv. 2023 Feb 15:2023.02.14.528208.

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

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