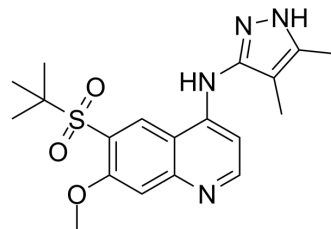


## RIP2 Kinase Inhibitor 3

<b>Cat. No.:</b>	HY-112907
<b>CAS No.:</b>	1398053-50-3
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>24</sub> N <sub>4</sub> O <sub>3</sub> S
<b>Molecular Weight:</b>	388.48
<b>Target:</b>	RIP kinase
<b>Pathway:</b>	Apoptosis
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 25 mg/mL (64.35 mM; Need ultrasonic)				
<b>Preparing Stock Solutions</b>	<b>Solvent</b> \ <b>Concentration</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
	<b>1 mM</b>		2.5741 mL	12.8707 mL	25.7414 mL
	<b>5 mM</b>		0.5148 mL	2.5741 mL	5.1483 mL
	<b>10 mM</b>		0.2574 mL	1.2871 mL	2.5741 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.44 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	RIP2 Kinase Inhibitor 3 is a highly potent and selective inhibitor of receptor interacting protein-2 (RIP2) Kinase with an IC <sub>50</sub> of 1 nM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 1 nM (RIP2) <sup>[1]</sup>

### REFERENCES

[1]. Haile PA, et al. Identification of Quinoline-Based RIP2 Kinase Inhibitors with an Improved Therapeutic Index to the hERG Ion Channel. ACS Med Chem Lett. 2018 Sep 26;9(10):1039-1044.

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

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