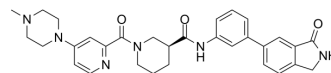


## UNC9512

<b>Cat. No.:</b>	HY-156257		
<b>CAS No.:</b>	3032393-24-8		
<b>Molecular Formula:</b>	C <sub>31</sub> H <sub>34</sub> N <sub>6</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	538.64		
<b>Target:</b>	DNA/RNA Synthesis		
<b>Pathway:</b>	Cell Cycle/DNA Damage		
<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 (185.65 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8565 mL	9.2826 mL	18.5653 mL
5 mM	0.3713 mL	1.8565 mL	3.7131 mL
10 mM	0.1857 mL	0.9283 mL	1.8565 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 (4.64 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (4.64 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (4.64 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

UNC9512 is a potent methyl-lysine reader p53 binding protein 1 (53BP1) antagonist. UNC9512 can be used to study the role of 53BP1 in DNA repair, gene editing and tumorigenesis<sup>[1]</sup>.

### REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA