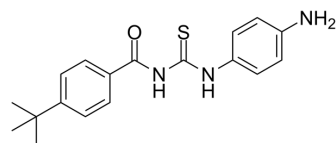


## Tenovin-3

<b>Cat. No.:</b>	HY-19339		
<b>CAS No.:</b>	1011301-27-1		
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>21</sub> N <sub>3</sub> OS		
<b>Molecular Weight:</b>	327.44		
<b>Target:</b>	MDM-2/p53		
<b>Pathway:</b>	Apoptosis		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 31 mg/mL (94.67 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.0540 mL	15.2700 mL	30.5399 mL
5 mM	0.6108 mL	3.0540 mL	6.1080 mL
10 mM	0.3054 mL	1.5270 mL	3.0540 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 (7.63 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.5 mg/mL (7.63 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Tenovin-3 is a p53 activator<sup>[1][2]</sup>.

#### In Vitro

Tenovin-3 downregulates both P-FAK and P-Src<sup>[2]</sup>.  
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Lain S, et al. Discovery, in vivo activity, and mechanism of action of a small-molecule p53 activator. *Cancer Cell*. 2008 May;13(5):454-63.

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

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