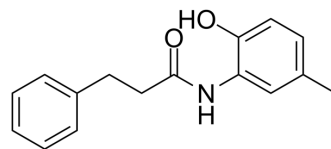


## AA147

<b>Cat. No.:</b>	HY-124293		
<b>CAS No.:</b>	393121-74-9		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>17</sub> NO <sub>2</sub>		
<b>Molecular Weight:</b>	255.31		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (195.84 mM; Need ultrasonic)			
		<b>Solvent</b>	<b>Mass</b>	
		<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>
	<b>Preparing Stock Solutions</b>		<b>10 mg</b>	
	<b>1 mM</b>	3.9168 mL	19.5840 mL	39.1681 mL
	<b>5 mM</b>	0.7834 mL	3.9168 mL	7.8336 mL
	<b>10 mM</b>	0.3917 mL	1.9584 mL	3.9168 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: ≥ 5 mg/mL (19.58 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (19.58 mM); Suspended solution; Need ultrasonic			

### BIOLOGICAL ACTIVITY

<b>Description</b>	AA147, a small molecule endoplasmic reticulum (ER) proteostasis regulator, selectively activates ATF6 arm of the unfolded protein response (UPR) extracted from patent WO2017117430A1, compound 147* <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	ATF6 <sup>[1]</sup>

### REFERENCES

[1]. Christina COOLEY, et al. Regulators of the endoplasmic reticulum proteostasis network. WO2017117430A1.

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

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