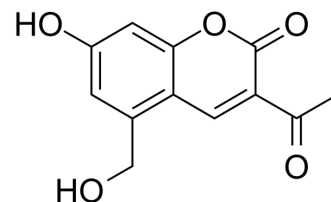


## Armillarisin A

<b>Cat. No.:</b>	HY-108013
<b>CAS No.:</b>	53696-74-5
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>10</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	234.2
<b>Target:</b>	Interleukin Related
<b>Pathway:</b>	Immunology/Inflammation
<b>Storage:</b>	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (426.99 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>4.2699 mL</td> <td>21.3493 mL</td> <td>42.6985 mL</td> </tr> <tr> <td>5 mM</td> <td>0.8540 mL</td> <td>4.2699 mL</td> <td>8.5397 mL</td> </tr> <tr> <td>10 mM</td> <td>0.4270 mL</td> <td>2.1349 mL</td> <td>4.2699 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	4.2699 mL	21.3493 mL	42.6985 mL	5 mM	0.8540 mL	4.2699 mL	8.5397 mL	10 mM	0.4270 mL	2.1349 mL	4.2699 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: 2.5 mg/mL (10.67 mM); Suspended solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (10.67 mM); Suspended solution; Need ultrasonic</li> </ol>																					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Armillarisin A has the potential for the ulcerative colitis (UC) study. Armillarisin A increases IL-4 and lower IL-1β <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	IL-4	IL-1β

### REFERENCES

[1]. Ping Wu, et al. The Effects of Armillarisin A on Serum IL-1β and IL-4 and in Treating Ulcerative Colitis. Cell Biochem Biophys. 2015 May;72(1):103-6.

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

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