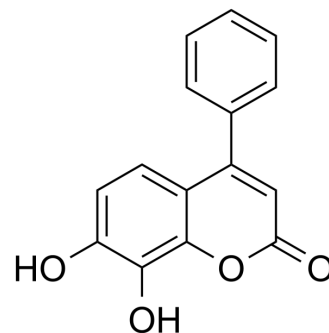


## 4-Phenyl-7,8-dihydroxycoumarin

<b>Cat. No.:</b>	HY-128410		
<b>CAS No.:</b>	842-01-3		
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>10</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	254.24		
<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 : 100 mg/mL (393.33 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	3.9333 mL	19.6665 mL	39.3329 mL
		5 mM	0.7867 mL	3.9333 mL	7.8666 mL
10 mM		0.3933 mL	1.9666 mL	3.9333 mL	
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 (9.83 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.83 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (9.83 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	4-Phenyl-7,8-dihydroxycoumarin is a coumarin derivative and can be used for bronchiectasiss research <sup>[1]</sup> .
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### REFERENCES

[1]. A kind of Chinese medicine and western medicine combination for treating bronchiectasiss and preparation method thereof. Patent CN106491853

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

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