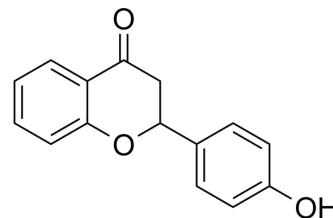


## 4'-Hydroxyflavanone

Cat. No.:	HY-N8495		
CAS No.:	6515-37-3		
Molecular Formula:	C <sub>15</sub> H <sub>12</sub> O <sub>3</sub>		
Molecular Weight:	240.25		
Target:	Others		
Pathway:	Others		
Storage:	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 (416.23 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.1623 mL	20.8117 mL	41.6233 mL
		5 mM	0.8325 mL	4.1623 mL	8.3247 mL
10 mM		0.4162 mL	2.0812 mL	4.1623 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<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 (10.41 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 (10.41 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (10.41 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

Description	4'-Hydroxyflavanone is an inhibitor of SREBP maturation and lipid synthesis. 4'-Hydroxyflavanone is a synthetic analogue of flavanone, has potential for hepatic steatosis and dyslipidemia research <sup>[1]</sup> .
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### REFERENCES

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[1]. Shingo Miyata, et al. 4'-Hydroxyflavanone suppresses activation of sterol regulatory element-binding proteins and de novo lipid synthesis. FEBS Lett. 2012 Jun 21;586(13):1778-82.

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

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