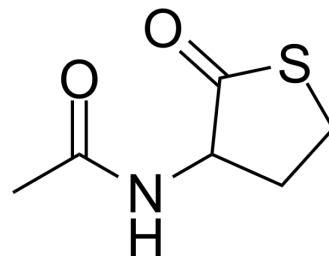


## Citiolone

<b>Cat. No.:</b>	HY-B0931		
<b>CAS No.:</b>	1195-16-0		
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>9</sub> NO <sub>2</sub> S		
<b>Molecular Weight:</b>	159.21		
<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

#### In Vitro

DMSO : ≥ 50 mg/mL (314.05 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.2810 mL	31.4051 mL	62.8101 mL
	5 mM	1.2562 mL	6.2810 mL	12.5620 mL
	10 mM	0.6281 mL	3.1405 mL	6.2810 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (15.70 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (15.70 mM); Clear solution; Need warming
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.38 mg/mL (14.95 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Citiolone is a derivative of the amino acid cysteine, used in liver therapy.

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

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