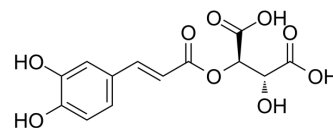


## Caftaric acid

<b>Cat. No.:</b>	HY-N0321		
<b>CAS No.:</b>	67879-58-7		
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>12</sub> O <sub>9</sub>		
<b>Molecular Weight:</b>	312.23		
<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

H<sub>2</sub>O : 50 mg/mL (160.14 mM; Need ultrasonic)  
 DMSO : 50 mg/mL (160.14 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		3.2028 mL	16.0138 mL	32.0277 mL
	5 mM		0.6406 mL	3.2028 mL	6.4055 mL
	10 mM		0.3203 mL	1.6014 mL	3.2028 mL

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

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 25 mg/mL (80.07 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (8.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (8.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (8.01 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Caftaric acid is a natural product.

### REFERENCES

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[1]. Chun-Hua Wu, et al. Enhanced production of caftaric acid, chlorogenic acid and cichoric acid in suspension cultures of Echinacea purpurea by the manipulation of incubation temperature and photoperiod. Biochemical Engineering Journal Volume 36, Issue 3, 1

[2]. Trousdale E., Caftaric acid disappearance and conversion to products of enzymic oxidation in grape must and wine. American Journal Of Enology & Viticulture, 1985, 50-56

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

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