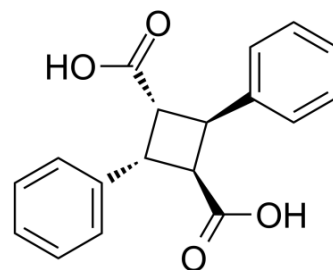


## α-Truxillic acid

Cat. No.:	HY-114771
CAS No.:	490-20-0
Molecular Formula:	C <sub>18</sub> H <sub>16</sub> O <sub>4</sub>
Molecular Weight:	296.32
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (843.68 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.3747 mL	16.8736 mL	33.7473 mL
		5 mM	0.6749 mL	3.3747 mL	6.7495 mL
		10 mM	0.3375 mL	1.6874 mL	3.3747 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: <b>10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline</b> Solubility: ≥ 2.08 mg/mL (7.02 mM); Clear solution				
	2. Add each solvent one by one: <b>10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline)</b> Solubility: ≥ 2.08 mg/mL (7.02 mM); Clear solution				
	3. Add each solvent one by one: <b>10% DMSO &gt;&gt; 90% corn oil</b> Solubility: ≥ 2.08 mg/mL (7.02 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	α-Truxillic acid is form by the dimerization of two molecules of α-trans-cinnamic acid, with anti-inflammatory activities <sup>[1]</sup> .
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### REFERENCES

[1]. Chi YM, et al. Antinociceptive activities of alpha-truxillic acid and beta-truxinic acid derivatives. Biol Pharm Bull. 2006 Mar;29(3):580-4.

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

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