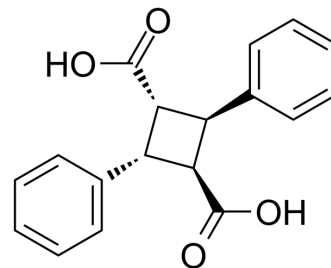


α -Truxillic acid

Cat. No.:	HY-114771		
CAS No.:	490-20-0		
Molecular Formula:	C ₁₈ H ₁₆ O ₄		
Molecular Weight:	296.32		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (421.84 mM; Need ultrasonic)

Concentration	Solvent	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

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: \geq 2.08 mg/mL (7.02 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline)
Solubility: \geq 2.08 mg/mL (7.02 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: \geq 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^[1].

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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA