Data Sheet (Cat.No.T10291)



α-Truxillic acid

Chemical Properties

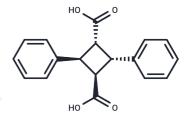
CAS No.: 490-20-0

Formula: C18H16O4

Molecular Weight: 296.32

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	α -Truxillic acid, known for its anti-inflammatory activities, is produced through the dimerization of two molecules of α -trans-cinnamic acid.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 250 mg/mL (843.68 mM), Sonication is recommended.
⊕	(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3747 mL	16.8737 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
50 mM	0.0675 mL	0.3375 mL	0.6749 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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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