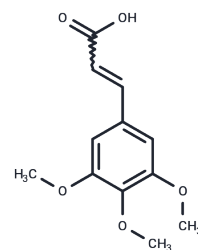


3,4,5-Trimethoxycinnamic acid

Chemical Properties

CAS No. :	90-50-6
Formula:	C ₁₂ H ₁₄ O ₅
Molecular Weight:	238.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	3,4,5-Trimethoxycinnamic acid (O-Methylsinapic acid) (TMCA) is one of the constituents of Polygalae Radix and may exert anti-seizure activity by acting at the GABAA/BZ receptor complex.
Targets(IC50)	GABA Receptor, Endogenous Metabolite

Solubility Information

Solubility	DMSO: 45 mg/mL (188.89 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1974 mL	20.9872 mL	41.9745 mL
5 mM	0.8395 mL	4.1974 mL	8.3949 mL
10 mM	0.4197 mL	2.0987 mL	4.1974 mL
50 mM	0.0839 mL	0.4197 mL	0.8395 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

Lee CI, et al. Arch Pharm Res. 2013 Oct;36(10):1244-51.

Zhang H, Liang B, Sang X, et al. Discovery of Potential Inhibitors of SARS-CoV-2 Main Protease by a Transfer Learning Method. Viruses. 2023, 15(4): 891.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481