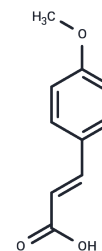


(E)-3-(4-Methoxyphenyl)acrylic acid

Chemical Properties

CAS No. :	943-89-5
Formula:	C ₁₀ H ₁₀ O ₃
Molecular Weight:	178.18
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	(E)-3-(4-Methoxyphenyl)acrylic acid is a small molecule compound isolated from the rhizome of <i>Etlingera pavieana</i> (Pierre ex Gagnep.) R. M. Sm. It is a novel α -glucosidase inhibitor. (E)-3-(4-Methoxyphenyl)acrylic acid has hepatoprotective activity, anti-amnesic activity, enhances cognitive effects, and can be used to lower blood pressure sugar.
Targets(IC ₅₀)	Glucosidase

Solubility Information

Solubility	DMSO: 50 mg/mL (280.62 mM), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6123 mL	28.0615 mL	56.123 mL
5 mM	1.1225 mL	5.6123 mL	11.2246 mL
10 mM	0.5612 mL	2.8062 mL	5.6123 mL
50 mM	0.1122 mL	0.5612 mL	1.1225 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

Sirichan Tachai, et al. Uncommon secondary metabolites from *Etlingera pavieana* rhizomes. *Nat Prod Res.* 2016 Oct;30(19):2215-9.

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