Data Sheet (Cat.No.T22330)

TargetMol®
YOUR TARGET MOLECULES

Fenamic acid

Chemical Properties

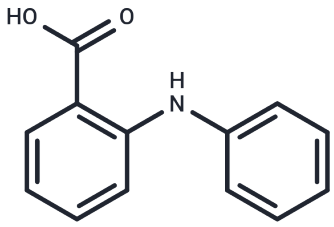
CAS No. : 91-40-7

Formula: C13H11NO2

Molecular Weight: 213.2319

Appearance: no data available

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



Biological Description

Description	Fenamic acid (N-Phenylanthranilic acid) is a chloride channel blocker that causes renal papillary necrosis in rats. Fenamic acid serves as a parent structure for several nonsteroidal anti-inflammatory drugs (NSAIDs), including flufenamic acid, tolfenamic acid, mefenamic acid, and meclofenamic acid.
Targets(IC50)	Chloride channel

Solubility Information

Solubility	DMSO: 55 mg/mL (257.94 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6898 mL	23.4489 mL	46.8977 mL
5 mM	0.938 mL	4.6898 mL	9.3795 mL
10 mM	0.469 mL	2.3449 mL	4.6898 mL
50 mM	0.0938 mL	0.469 mL	0.938 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

Betton GR, et, al. Biomarkers of collecting duct injury in Han-Wistar and Sprague-Dawley rats treated with N-phenylanthranilic Acid. Toxicol Pathol. 2012 Jun;40(4):682-94.

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