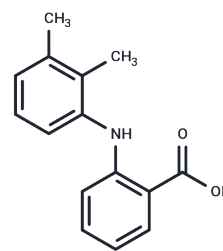


Mefenamic acid

Chemical Properties

CAS No. :	61-68-7
Formula:	C ₁₅ H ₁₅ NO ₂
Molecular Weight:	241.29
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Mefenamic acid (CN-35355) is a non-steroidal anti-inflammatory agent with analgesic, anti-inflammatory, and antipyretic properties. It is an inhibitor of cyclooxygenase.
Targets(IC50)	COX

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 20 mg/mL (82.89 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1444 mL	20.722 mL	41.4439 mL
5 mM	0.8289 mL	4.1444 mL	8.2888 mL
10 mM	0.4144 mL	2.0722 mL	4.1444 mL
50 mM	0.0829 mL	0.4144 mL	0.8289 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

- Bhat AS, et al. Eur J Pharmacol. 2007 Feb 5; 556(1-3):190-9.
 Jiang H, He H, Chen Y, et al. Identification of a selective and direct NLRP3 inhibitor to treat inflammatory disorders. Journal of Experimental Medicine. 2017, 214(11): 3219-3238.
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