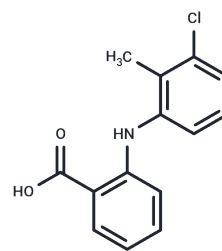


Tolfenamic Acid

Chemical Properties

CAS No. :	13710-19-5
Formula:	C ₁₄ H ₁₂ ClNO ₂
Molecular Weight:	261.70
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tolfenamic Acid (GEA 6414) is a non-steroidal anti-inflammatory drug (NSAID) used to treat migraine symptoms.
Targets(IC50)	COX

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 49 mg/mL (187.24 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (7.64 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8212 mL	19.1058 mL	38.2117 mL
5 mM	0.7642 mL	3.8212 mL	7.6423 mL
10 mM	0.3821 mL	1.9106 mL	3.8212 mL
50 mM	0.0764 mL	0.3821 mL	0.7642 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Adwan L, et al. J Neurochem. 2015 Apr;133(2):266-72.

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