

Etofenamate

Chemical Properties

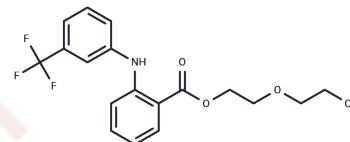
CAS No. : 30544-47-9

Formula: C₁₈H₁₈F₃N₂O₄

Molecular Weight: 369.33

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Etofenamate is a non-steroidal anti-inflammatory drug (NSAID) used for the treatment of joint and muscular pain.
Targets(IC50)	COX

Solubility Information

Solubility	Ethanol: 250 mg/mL (676.9 mM) DMSO: 5.2 mg/mL (14.08 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.71 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	2.7076 mL	13.538 mL	27.0761 mL
5 mM	0.5415 mL	2.7076 mL	5.4152 mL
10 mM	0.2708 mL	1.3538 mL	2.7076 mL
50 mM	0.0542 mL	0.2708 mL	0.5415 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

Bender T, et al. Arzneimittelforschung. 2001;51(6):489-92.

Kang D, Pang X, Lian W, et al. Discovery of VEGFR2 inhibitors by integrating naïve Bayesian classification, molecular docking and drug screening approaches. RSC Advances. 2018 Jan 8(10): 5286-5297.

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