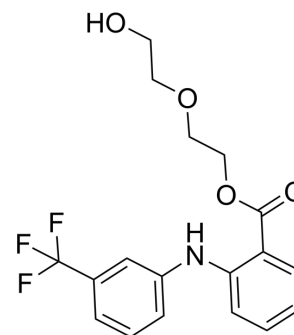


Etofenamate

Cat. No.:	HY-17361		
CAS No.:	30544-47-9		
Molecular Formula:	C ₁₈ H ₁₈ F ₃ NO ₄		
Molecular Weight:	369.34		
Target:	COX		
Pathway:	Immunology/Inflammation		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 120 mg/mL (324.90 mM; Need ultrasonic)
 DMSO : ≥ 50 mg/mL (135.38 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.7075 mL	13.5377 mL	27.0753 mL
	5 mM	0.5415 mL	2.7075 mL	5.4151 mL
	10 mM	0.2708 mL	1.3538 mL	2.7075 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (6.77 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (6.77 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.77 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Etofenamate, a non-steroid anti-inflammatory agent (NSAID) and a non-selective COX inhibitor, possesses analgesic, anti-rheumatic, antipyretic and anti-inflammatory properties. Etofenamate is used in the research for osteoarthritis, arthritis and other inflammatory diseases^{[1][2][3]}.

REFERENCES

- [1]. Bender T, Bariska J, Rojkovich B, Bálint G. Etofenamate levels in human serum and synovial fluid following iontophoresis. *Arzneimittelforschung*. 2001;51(6):489-92.
- [2]. Fraga A, de Almeida M, Moreira-da-Silva V et al. Intramuscular Etofenamate versus Diclofenac in the Relief of Renal Colic : A Randomised, Single-Blind, Comparative Study. *Clin Drug Investig*. 2003;23(11):701-6.
- [3]. Joana Marto, et al. Topical gels of etofenamate: in vitro and in vivo evaluation. *Pharm Dev Technol*. 2015;20(6):710-5.
-

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA