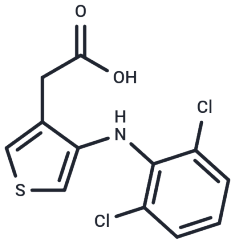
Data Sheet (Cat.No.T27254)

TargetMol

Eltenac

Chemical Properties



CAS No. : 72895-88-6

Formula: C12H9Cl2NO2S

Molecular Weight: 302.18

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	Eltenac (B78820) is a non-steroidal anti-inflammatory, COX inhibitor with analgesic activity.Eltenac inhibits COX-1 and COX-2 and is used in the study of Acute Respiratory Distress Syndrome (ARDS).
Targets(IC50)	COX
In vitro	Eltenac is the most potent inhibitor of the COX-2 isomer (IC50 = 0.02 lM), although there is a significant difference between the two COX isomers (P = 0.0014) and the efficacy ratio is 4.80, but the inhibitory effect of Eltenac on COX-2 isomers is still strong. [5]
In vivo	Etinac (10 mg/kg; oral; female Sprague-Dawley rats, 150-190 lbs; rat paw edema model) was effective in reducing paw volume increase by 52% [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3093 mL	16.5464 mL	33.0929 mL
5 mM	0.6619 mL	3.3093 mL	6.6186 mL
10 mM	0.3309 mL	1.6546 mL	3.3093 mL
50 mM	0.0662 mL	0.3309 mL	0.6619 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

Klein T, et al.Characterization of eltenac and novel COX-2 selective thiopheneacetic acid analogues in vitro and in vivo. Biochem Pharmacol. 2008 Sep 15;76(6):717-25.
MacKay RJ, et al. Thompson KC. Effect of eltenac in horses with induced endotoxaemia. Equine Vet J Suppl. 2000 Jun;(32):26-31.
Dyke TM, et al. Pharmacokinetics of multiple-dose administration of eltenac in horses. Am J Vet Res. 1998 Nov;59 (11):1447-50.
Ottillinger B, et al.Efficacy and safety of eltenac gel in the treatment of knee osteoarthritis. Osteoarthritis Cartilage. 2001 Apr;9(3):273-80.
Cuniberti B, et al. In vitro and ex vivo pharmacodynamics of selected non-steroidal anti-inflammatory drugs in equine whole blood. Vet J. 2012 Mar;191(3):327-33.

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