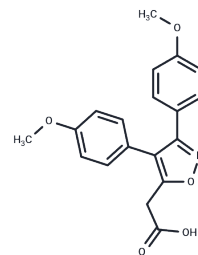


Mofezolac

Chemical Properties

CAS No. :	78967-07-4
Formula:	C ₁₉ H ₁₇ N ₅ O
Molecular Weight:	339.34
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	Mofezolac (formerly known as Disopain or N-22) is a highly selective COX-1 (cyclooxygenase-1) inhibitor with COXs selectivity index > 6000
Targets(IC50)	COX

Solubility Information

Solubility	Ethanol: Insoluble, DMSO: 55 mg/mL (162.08 mM),Sonication is recommended. H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.89 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	2.9469 mL	14.7345 mL	29.469 mL
5 mM	0.5894 mL	2.9469 mL	5.8938 mL
10 mM	0.2947 mL	1.4734 mL	2.9469 mL
50 mM	0.0589 mL	0.2947 mL	0.5894 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

Calvillo R, et al. Highly Selective Cyclooxygenase-1 Inhibitors P6 and Mofezolac Counteract Inflammatory State both In Vitro and In Vivo Models of Neuroinflammation. *Front Neurol.* 2017 Jun 9;8:251

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481