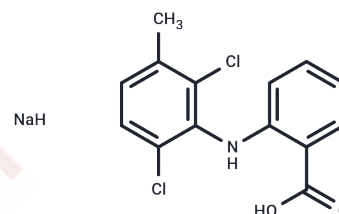


Meclofenamic acid sodium

Chemical Properties

CAS No. :	6385-02-0
Formula:	C ₁₄ H ₁₀ Cl ₂ NNaO ₂
Molecular Weight:	318.14
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	Meclofenamic acid sodium (Movens), a non-steroidal anti-inflammatory agent, has properties of antipyretic and antigranulation activities. It also inhibits prostaglandin biosynthesis.
Targets(IC50)	Gap Junction Protein,Endogenous Metabolite,COX

Solubility Information

Solubility	DMSO: 50 mg/mL (157.16 mM),Sonication is recommended. Ethanol: 59 mg/mL (185.45 mM),Sonication is recommended. H ₂ O: 58 mg/mL (182.31 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: 2 mg/mL (6.29 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	3.1433 mL	15.7164 mL	31.4327 mL
5 mM	0.6287 mL	3.1433 mL	6.2865 mL
10 mM	0.3143 mL	1.5716 mL	3.1433 mL
50 mM	0.0629 mL	0.3143 mL	0.6287 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

Soriano-Hernández AD, et al. Int Urol Nephrol. 2012 Apr;44(2):471-7.

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