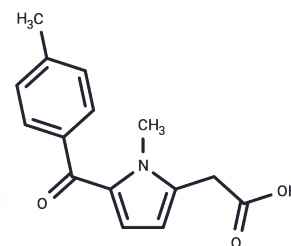


Tolmetin

Chemical Properties

CAS No. :	26171-23-3
Formula:	C ₁₅ H ₁₅ NO ₃
Molecular Weight:	257.28
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	Tolmetin (Tolectin) is a Nonsteroidal Anti-inflammatory Drug. The mechanism of action of tolmetin is as a Cyclooxygenase Inhibitor. The chemical classification of tolmetin is Nonsteroidal Anti-inflammatory Compounds.
Targets(IC50)	COX

Solubility Information

Solubility	DMSO: 50 mg/mL (194.34 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 (7.77 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	3.8868 mL	19.4341 mL	38.8682 mL
5 mM	0.7774 mL	3.8868 mL	7.7736 mL
10 mM	0.3887 mL	1.9434 mL	3.8868 mL
50 mM	0.0777 mL	0.3887 mL	0.7774 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

Burdan F, et al. Pharmacol Res. 2004 Nov;50(5):533-43.

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