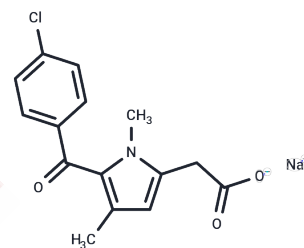


Zomepirac sodium salt

Chemical Properties

CAS No. :	64092-48-4
Formula:	C ₁₅ H ₁₃ ClNNaO ₃
Molecular Weight:	313.71
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	Zomepirac sodium salt (McN-2783-21-98) is a prostaglandin synthetase inhibitor.
Targets(IC50)	PDE,PGE Synthase

Solubility Information

Solubility	DMSO: 100 mg/mL (318.77 mM),Sonication is recommended. H2O: 5 mg/mL (15.94 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: 4 mg/mL (12.75 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	3.1877 mL	15.9383 mL	31.8766 mL
5 mM	0.6375 mL	3.1877 mL	6.3753 mL
10 mM	0.3188 mL	1.5938 mL	3.1877 mL
50 mM	0.0638 mL	0.3188 mL	0.6375 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

Hata AN, et al. Mol Pharmacol. 2005 Mar;67(3):640-7.

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