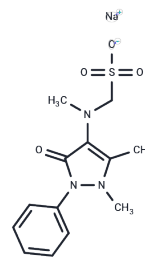


Metamizole sodium

Chemical Properties

CAS No. :	68-89-3
Formula:	C ₁₃ H ₁₆ N ₃ NaO ₄ S
Molecular Weight:	333.34
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	Metamizole sodium (Analgin) is a drug that has analgesic, anti-inflammatory, and antipyretic properties. It is the sodium sulfonate of AMINOPYRINE.
Targets(IC50)	Apoptosis, COX

Solubility Information

Solubility	DMSO: 60 mg/mL (180 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: 5 mg/mL (15 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	2.9999 mL	14.9997 mL	29.9994 mL
5 mM	0.600 mL	2.9999 mL	5.9999 mL
10 mM	0.300 mL	1.500 mL	2.9999 mL
50 mM	0.060 mL	0.300 mL	0.600 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

Jage J, et al. Anaesthetist. 2008 Apr;57(4):382-90.

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