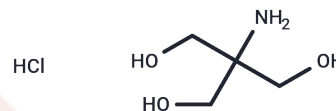


## Trometamol hydrochloride

## Chemical Properties

CAS No. :	1185-53-1
Formula:	C <sub>4</sub> H <sub>12</sub> ClNO <sub>3</sub>
Molecular Weight:	157.6
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	Trometamol hydrochloride (TRIS hydrochloride) (Tromethamine hydrochloride) is a biologically inert amino alcohol with low toxicity. Trometamol hydrochloride buffers carbon dioxide and acids in vitro and in vivo. Trometamol hydrochloride is an effective amine compound for pH control in the physiological range.
Targets(IC50)	Others

## Solubility Information

Solubility	H <sub>2</sub> O: 247.5 mg/mL (1570.43 mM),Sonication is recommended. DMSO: 55 mg/mL (348.98 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 (25.38 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	6.3452 mL	31.7259 mL	63.4518 mL
5 mM	1.269 mL	6.3452 mL	12.6904 mL
10 mM	0.6345 mL	3.1726 mL	6.3452 mL
50 mM	0.1269 mL	0.6345 mL	1.269 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.

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