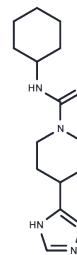


## Thioperamide

## Chemical Properties

CAS No. :	106243-16-7
Formula:	C <sub>15</sub> H <sub>24</sub> N <sub>4</sub> S
Molecular Weight:	292.44
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	histamine H3 and H4 antagonist/inverse agonist
Targets(IC50)	Others,Histamine Receptor

## Solubility Information

Solubility	DMSO: <29.24 mg/mL,Sonication is recommended. Ethanol: <29.24 mg/mL,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: 1 mg/mL (3.42 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	3.4195 mL	17.0975 mL	34.195 mL
5 mM	0.6839 mL	3.4195 mL	6.839 mL
10 mM	0.342 mL	1.7098 mL	3.4195 mL
50 mM	0.0684 mL	0.342 mL	0.6839 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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