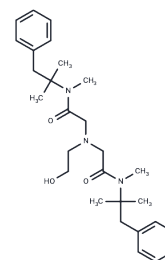


## Oxethazaine

## Chemical Properties

CAS No. :	126-27-2
Formula:	C <sub>28</sub> H <sub>41</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	467.64
Storage:	Store at low temperature, Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Oxethazaine (Oxetacaine), a topical anesthetic, is used to prevent acid-induced esophageal pain.
Targets(IC50)	HBV, Sodium Channel

## Solubility Information

Solubility	DMSO: 81.7 mg/mL (174.71 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 8.17 mg/mL (17.47 mM), Suspension. <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	2.1384 mL	10.692 mL	21.384 mL
5 mM	0.4277 mL	2.1384 mL	4.2768 mL
10 mM	0.2138 mL	1.0692 mL	2.1384 mL
50 mM	0.0428 mL	0.2138 mL	0.4277 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

Lee SY, et al. Pharmacol Biochem Behav. 2013 Apr;105:98-104.

Bao Z, Li A, Lu X, et al. Oxethazaine inhibits esophageal squamous cell carcinoma proliferation and metastasis by targeting aurora kinase A. Cell Death & Disease. 2022, 13(2): 1-11.

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