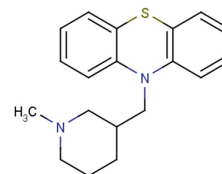


Mepazine

Chemical Properties

CAS No.:	60-89-9
Formula:	C ₁₉ H ₂₂ N ₂ S
Molecular Weight:	310.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Mepazine inhibits GSTMALT1 full length and GSTMALT1 325-760 (IC ₅₀ s: 0.83 and 0.42 μM, respectively). Mepazine is an effective and selective MALT1 inhibitor. Mepazine affects the viability of ABC-DLBCL cells by enhancing apoptosis.
Targets(IC ₅₀)	MALT1: None
In vitro	In the activated B cell subtype of diffuse large B cell lymphoma (ABC DLBCL) cells. Mepazine (5-20 μM; 4 days) induces a decrease of cell viability, without significantly affecting GCB-DLBCL cells.
In vivo	Mepazine (p.o.) strongly impairs the expansion of the ABC-DLBCL cell line OCI-Ly10. Mepazine (16 mg/kg; intraperitoneal administration) interferes with the growth and causes apoptosis of ABC-DLBCL cell line OCI-Ly10 in NOD/scid IL-2R ^{gnull} (NSG) mice with a murine DLBCL xenogeneic tumor model.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.221 mL	16.105 mL	32.21 mL
5 mM	0.644 mL	3.221 mL	6.442 mL
10 mM	0.322 mL	1.611 mL	3.221 mL
50 mM	0.064 mL	0.322 mL	0.644 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Nagel D, et al. Pharmacologic inhibition of MALT1 protease by phenothiazines as a therapeutic approach for the treatment of aggressive ABC-DLBCL. Cancer Cell. 2012 Dec 11;22(6):825-37.

Inhibitors · Natural Compounds · Compound Libraries

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