

Azatadine

Chemical Properties

CAS No.:	3964-81-6
Formula:	C ₂₀ H ₂₂ N ₂
Molecular Weight:	290.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Azatadine is histamine and cholinergic inhibitor (IC ₅₀ : 6.5 nM and 10 nM, respectively).
-------------	---

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.444 mL	17.218 mL	34.435 mL
5 mM	0.689 mL	3.444 mL	6.887 mL
10 mM	0.344 mL	1.722 mL	3.444 mL
50 mM	0.069 mL	0.344 mL	0.689 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. Jacobson K A, Ivanov A A, de Castro S, et al. Development of selective agonists and antagonists of P2Y receptors. *Purinergic Signal*, 2009, 5(1): 75-89.
2. Hardwick J C, Ehrlich Y H, Hendley E D. Extracellular ATP stimulates norepinephrine uptake in PC12 cells. *Journal of Neurochemistry*, 1989, 53(5):1512-1518.
3. Liu P, Lalor D, Bowser S S, et al. Regulation of arachidonic acid release and prostaglandin E2 production in thymic epithelial cells by ATPgammaS and transforming growth factor-alpha. *Cellular immunology*, 1998, 188(2): 81-88.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481