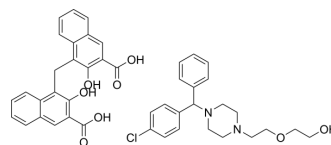


## Hydroxyzine pamoate

<b>Cat. No.:</b>	HY-B0895
<b>CAS No.:</b>	10246-75-0
<b>Molecular Formula:</b>	C <sub>44</sub> H <sub>43</sub> ClN <sub>2</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	763.27
<b>Target:</b>	Histamine Receptor
<b>Pathway:</b>	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 250 mg/mL (327.54 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		1.3102 mL	6.5508 mL	13.1015 mL
		<b>5 mM</b>		0.2620 mL	1.3102 mL	2.6203 mL
<b>10 mM</b>		0.1310 mL	0.6551 mL	1.3102 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (2.73 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (2.73 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Hydroxyzine pamoate is a histamine receptor H1 antagonist.
<b>IC<sub>50</sub> &amp; Target</b>	H <sub>1</sub> Receptor

### REFERENCES

- [1]. Minogiannis, P., et al., Hydroxyzine inhibits neurogenic bladder mast cell activation. Int J Immunopharmacol, 1998. 20(10): p. 553-63.
- [2]. Dimitriadou, V., X. Pang, and T.C. Theoharides, Hydroxyzine inhibits experimental allergic encephalomyelitis (EAE) and associated brain mast cell activation. Int J Immunopharmacol, 2000. 22(9): p. 673-84.

---

[3]. Kan, W.M., et al., Effect of hydroxyzine on the transport of etoposide in rat small intestine. *Anticancer Drugs*, 2001. 12(3): p. 267-73.

[4]. Morichi, R. and G. Pepeu, A study of the influence of hydroxyzine and diazepam on morphine antinociception in the rat. *Pain*, 1979. 7(2): p. 173-80.

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA