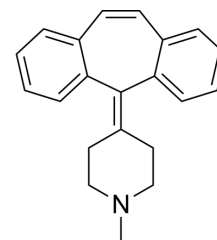


Cyproheptadine hydrochloride sesquihydrate

Cat. No.:	HY-B1165
CAS No.:	41354-29-4
Molecular Formula:	C ₂₁ H ₂₁ N _{0.3} /2H ₂ O.HCl
Molecular Weight:	350.88
Target:	5-HT Receptor; Histamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling; Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



H-Cl
1.5H₂O

SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (94.99 mM; Need ultrasonic)					
	H ₂ O : 0.67 mg/mL (1.91 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.8500 mL	14.2499 mL	28.4998 mL
5 mM			0.5700 mL	2.8500 mL	5.7000 mL	
	10 mM		0.2850 mL	1.4250 mL	2.8500 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 3 mg/mL (8.55 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 3 mg/mL (8.55 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3 mg/mL (8.55 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Cyproheptadine hydrochloride sesquihydrate is an antihistamine and is an antagonist of serotonin and histamine2.
IC₅₀ & Target	5-HT ₂ Receptor

CUSTOMER VALIDATION

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- Front Pharmacol. 2021 Apr 12;12:634097.
 - PLoS Negl Trop Dis. 2019 Aug 20;13(8):e0007681.
 - Cureus. 2023 Nov 27;15(11):e49530.

See more customer validations on www.MedChemExpress.com

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

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