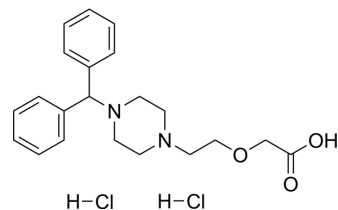


Deschloro Cetirizine dihydrochloride

Cat. No.:	HY-131579
CAS No.:	83881-54-3
Molecular Formula:	C ₂₁ H ₂₈ Cl ₂ N ₂ O ₃
Molecular Weight:	427.36
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (233.99 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		1 mM		2.3399 mL	11.6997 mL	23.3995 mL
		5 mM		0.4680 mL	2.3399 mL	4.6799 mL
	10 mM		0.2340 mL	1.1700 mL	2.3399 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: ≥ 2.5 mg/mL (5.85 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.85 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.85 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Deschloro Cetirizine Dihydrochloride is a Cetirizine impurity. Cetirizine, a second-generation antihistamine and the carboxylated metabolite of hydroxyzine, is a specific, orally active and long-acting histamine H1-receptor antagonist.
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Caution: Product has not been fully validated for medical applications. For research use only.

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