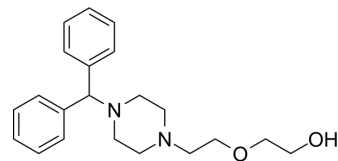


## Decloxizine dihydrochloride

Cat. No.:	HY-A0075
CAS No.:	13073-96-6
Molecular Formula:	C <sub>21</sub> H <sub>30</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	413.38
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
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 H-Cl

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 100 mg/mL (241.91 mM)  
DMSO : ≥ 50 mg/mL (120.95 mM)  
\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.4191 mL	12.0954 mL	24.1908 mL
	5 mM	0.4838 mL	2.4191 mL	4.8382 mL
	10 mM	0.2419 mL	1.2095 mL	2.4191 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 100 mg/mL (241.91 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (6.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (6.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (6.05 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Decloxizine dihydrochloride(UCB-1402; NSC289116) is a histamine 1 receptor antagonist.

#### IC<sub>50</sub> & Target

H<sub>1</sub> Receptor

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

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