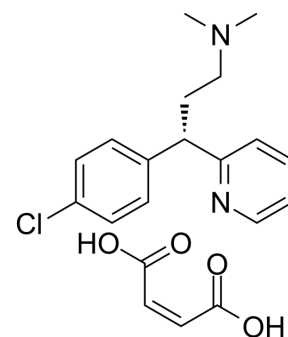


## Dexchlorpheniramine maleate

Cat. No.:	HY-B1062
CAS No.:	2438-32-6
Molecular Formula:	C <sub>20</sub> H <sub>23</sub> ClN <sub>2</sub> O <sub>4</sub>
Molecular Weight:	390.86
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)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (255.85 mM)  
 H<sub>2</sub>O : ≥ 100 mg/mL (255.85 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5585 mL	12.7923 mL	25.5846 mL
	5 mM	0.5117 mL	2.5585 mL	5.1169 mL
	10 mM	0.2558 mL	1.2792 mL	2.5585 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 (255.85 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 (6.40 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Dexchlorpheniramine maleate is an antihistamine, with anticholinergic properties, used to treat allergic conditions.

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

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