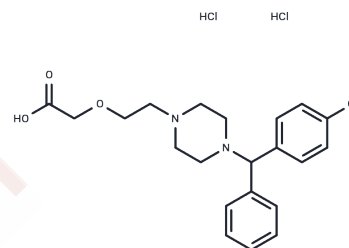


## Cetirizine dihydrochloride

## Chemical Properties

CAS No. :	83881-52-1
Formula:	C <sub>21</sub> H <sub>27</sub> Cl <sub>3</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	461.81
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Cetirizine dihydrochloride (UCB P071) is an effective second-generation histamine H <sub>1</sub> antagonist that is potent in the therapy of allergic rhinitis, confirmed urticaria, and pollen-induced asthma. Unlike other conventional antihistamines, it does not cause side effects of drowsiness or anticholinergic.
Targets(IC <sub>50</sub> )	Histamine Receptor

## Solubility Information

Solubility	H <sub>2</sub> O: 46.2 mg/mL (100.04 mM), Sonication is recommended. DMSO: 55 mg/mL (119.1 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1654 mL	10.827 mL	21.6539 mL
5 mM	0.4331 mL	2.1654 mL	4.3308 mL
10 mM	0.2165 mL	1.0827 mL	2.1654 mL
50 mM	0.0433 mL	0.2165 mL	0.4331 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Christophe B, et al. Eur J Pharmacol. 2003 May 30;470(1-2):87-94.

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