



Product Information

Cetirizine dihydrochloride

Cat. No.: X23-12-YM434

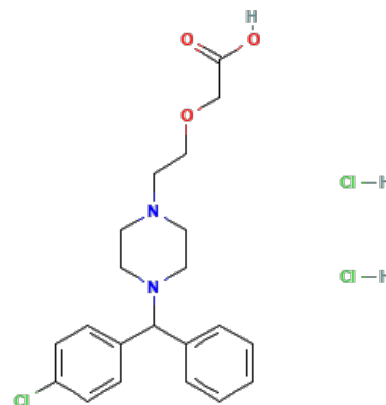
Size: 100 mg; 200 mg; 500 mg; 1 g

CAS Number: 83881-52-1

PubChem CID: 55182

Synonym: 83881-52-1; Zyrtec; Reactine

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Cetirizine dihydrochloride, soluble in DMSO and water, and insoluble in ethanol, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets histamine receptor.
Molecular Weight	461.81
Molecular Formula	C ₂₁ H ₂₅ ClN ₂ O ₃ ·2HCl
Targets	Histamine receptor
IUPAC Name	2-[2-[4-[(4-Chlorophenyl)-phenylmethyl]piperazin-1-yl]ethoxy]acetic acid;dihydrochloride
InChI	InChI=1S/C21H25ClN2O3.2ClH/c22-19-8-6-18(7-9-19)21(17-4-2-1-3-5-17)24-12-10-23(11-13-24)14-15-27-16-20(25)26;;/h1-9, 21H, 10-16H2, (H, 25, 26);2*1H
InChI Key	PGLIUCLTXOYQMV-UHFFFAOYSA-N
Canonical SMILES	C1CN(CCN1CCOCC(=O)O)C(C2=CC=CC=C2)C3=CC=C(C=C3)Cl.Cl.Cl
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 81 mg/mL (175.39 mM); Water: 81 mg/mL (175.39 mM); Ethanol: insoluble
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Cetirizine dihydrochloride can be used to help alleviate the symptoms of itching, redness, and swelling associated with this condition.
Storage	Store at -20°C, and keep desiccated.