



Product Information

Azelastine HCl

Cat. No.: X23-12-YM432

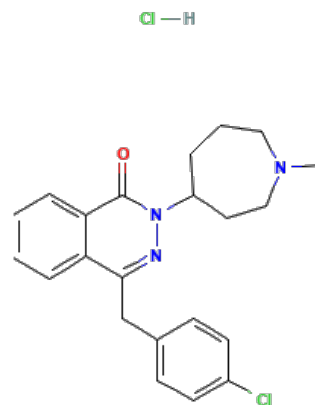
Size: 10 mg; 50 mg; 100 mg; 200 mg

CAS Number: 79307-93-0

PubChem CID: 54360

Synonym: 79307-93-0; Allergodil; Rhinolast; Astelin; Optilas; Optivar

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



Product Information

Description	Azelastine HCl (allergodil), soluble in DMSO, ethanol and water, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets histamine receptor.
Molecular Weight	418.4
Molecular Formula	C ₂₂ H ₂₄ ClN ₃ O·HCl
Targets	Histamine receptor
IUPAC Name	4-[(4-Chlorophenyl)methyl]-2-(1-methylazepan-4-yl)phthalazin-1-one;hydrochloride
InChI	InChI=1S/C22H24ClN3O.ClH/c1-25-13-4-5-18(12-14-25)26-22(27)20-7-3-2-6-19(20)21(24-26)15-16-8-10-17(23)11-9-16;/h2-3, 6-11, 18H, 4-5, 12-15H2, 1H3;1H
InChI Key	YEJAJYAHJQIWNU-UHFFFAOYSA-N
Canonical SMILES	CN1CCCC(CC1)N2C(=O)C3=CC=CC=C3C(=N2)CC4=CC=C(C=C4)Cl.Cl
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 27 mg/mL (64.53 mM); Water: 78 mg/mL (186.42 mM); Ethanol: 78 mg/mL (186.42 mM)
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Azelastine HCl (allergodil) can be used for its effect on inhibiting the release of histamine and other allergic mediators, thereby reducing inflammation and symptoms related to allergic rhinitis.
Storage	Store at -20°C, and keep desiccated.