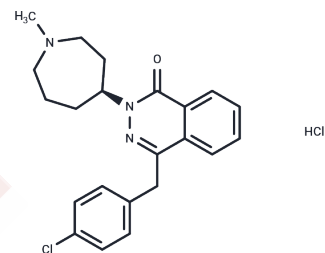


## (S)-Azelastine hydrochloride

## Chemical Properties

CAS No. :	153408-27-6
Formula:	C <sub>22</sub> H <sub>25</sub> Cl <sub>2</sub> N <sub>3</sub> O
Molecular Weight:	418.36
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	(S)-Azelastine hydrochloride, an antihistamine, has been shown to down-regulate H1R, M1R and M3R levels. It has also been shown to inhibit proliferation of HNEpC.
Targets(IC50)	Others,Histamine Receptor,SARS-CoV

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3903 mL	11.9514 mL	23.9029 mL
5 mM	0.4781 mL	2.3903 mL	4.7806 mL
10 mM	0.239 mL	1.1951 mL	2.3903 mL
50 mM	0.0478 mL	0.239 mL	0.4781 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

- Karpishchenko SA, Kolesnikova OM. [The effectiveness of the combination of azelastine hydrochloride and mometasone furoate for the intranasal application in the patients presenting with seasonal allergic rhinitis]. *Vestn Otorinolaringol.* 2017;82(5):44-47. doi: 10.17116/otorino201782544-47. Russian. PubMed PMID: 29072663.
- Liu SC, Lin CS, Chen SG, Chu YH, Lee FP, Lu HH, Wang HW. Effect of budesonide and azelastine on histamine signaling regulation in human nasal epithelial cells. *Eur Arch Otorhinolaryngol.* 2017 Feb;274(2):845-853. doi: 10.1007/s00405-016-4295-8. Epub 2016 Sep 13. PubMed PMID: 27623823.
- Aksoy F, Senturk E, Doğan R, Veyseller B, Ozturan O, Gönüllü N, Yılmaz F. Effects of azelastine nasal spray on nasal and nasopharyngeal microflora. *J Laryngol Otol.* 2016 Jan;130(1):95-9. doi: 10.1017/S0022215115002959. Epub 2015 Oct 30. PubMed PMID: 26515526.

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