

---

## Product Data Sheet

---

Product Name: Mizolastine dihydrochloride

Cat. No.: GC10478

**Chemical Properties**

Cas. No. 1056596-82-7

Chemical Name 2-((1-(1-(4-fluorobenzyl)-1H-benzo[d]imidazol-2-yl)piperidin-4-yl)(methyl)amino)pyrimidin-4-ol dihydrochloride

SMILES CN(C1=NC=CC(O)=N1)C2CCN(C3=NC4=CC=CC=C4N3CC5=CC=C(F)C=C5)CC2.Cl.ClFormula  $C_{24}H_{27}Cl_2FN_6O$  M.Wt 505.42

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Mizolastine dihydrochloride is a histamine H1-receptor antagonist with IC50 of 47 nM used in the treatment of hay fever (seasonal allergic rhinitis), hives and other allergic reactions. Target: Histamine H1-receptor. Mizolastine is a histamine H1-receptor antagonist with IC50 of 47 nM used in the treatment of hay fever (seasonal allergic rhinitis), hives and other allergic reactions. It does not prevent the actual release of histamine from mast cells, just prevents it binding to receptors. Side effects can include dry mouth and throat. Mizolastine has demonstrated antiallergic effects in animals and healthy volunteers and anti-inflammatory activity in animal models. Double-blind trials have shown mizolastine to be significantly more effective than placebo and as effective as other second generation antihistamine agents, such as loratadine or cetirizine, in the management of patients with perennial or seasonal allergic rhinitis and in patients with chronic idiopathic urticaria. Available data also suggest that prophylactic administration of mizolastine is significantly more effective than placebo and as effective as prophylactic terfenadine in delaying the onset of symptoms of seasonal allergic rhinitis.

**References:**

[1]. Prakash A, et al. Mizolastine: a review of its use in allergic rhinitis and chronic idiopathic urticaria. *BioDrugs*. 1998 Jul;10(1):41-63.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---