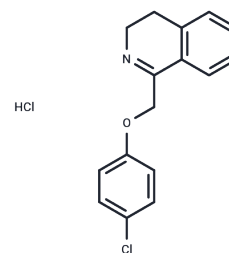


Famotine hydrochloride

Chemical Properties

CAS No. :	10500-82-0
Formula:	C ₁₆ H ₁₅ Cl ₂ NO
Molecular Weight:	308.2
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	Famotine Hydrochloride is a histamine H ₂ receptor antagonist that suppresses acid production in the stomach and commonly treats peptic ulcer disease and gastroesophageal reflux disease.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2446 mL	16.2232 mL	32.4465 mL
5 mM	0.6489 mL	3.2446 mL	6.4893 mL
10 mM	0.3245 mL	1.6223 mL	3.2446 mL
50 mM	0.0649 mL	0.3245 mL	0.6489 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

Smolinska S, Groeger D, Perez NR, Schiavi E, Ferstl R, Frei R, Konieczna P, Akdis CA, Jutel M, O'Mahony L. Histamine Receptor 2 is Required to Suppress Innate Immune Responses to Bacterial Ligands in Patients with Inflammatory Bowel Disease. *Inflamm Bowel Dis*. 2016 Jul;22(7):1575-86. doi: 10.1097/MIB.0000000000000825. PubMed PMID: 27271490.

Pahs L, Droege C, Kneale H, Pancioli A. A Novel Approach to the Treatment of Orolingual Angioedema After Tissue Plasminogen Activator Administration. *Ann Emerg Med*. 2016 May 10. pii: S0196-0644(16)00123-2. doi: 10.1016/j.annemergmed.2016.02.019. [Epub ahead of print] PubMed PMID: 27174372.

Litou C, Vertzoni M, Goumas C, Vasdekis V, Xu W, Kesisoglou F, Reppas C. Characteristics of the Human Upper Gastrointestinal Contents in the Fasted State Under Hypo- and A-chlorhydric Gastric Conditions Under Conditions of Typical Drug - Drug Interaction Studies. *Pharm Res*. 2016 Jun;33(6):1399-412. doi: 10.1007/s11095-016-1882-8. Epub 2016 Mar 14. PubMed PMID: 26975361.

Grosicki M, Wójcik T, Chlopicki S, Kieć-Kononowicz K. In vitro study of histamine and histamine receptor ligands influence on the adhesion of purified human eosinophils to endothelium. *Eur J Pharmacol*. 2016 Apr 15;777:49-59. doi: 10.1016/j.ejphar.2016.02.061. Epub 2016 Mar 3. PubMed PMID: 26939881.

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