



LKT Laboratories, Inc.

## Famotidine

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)

Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** F0150

**CAS No.** 76824-35-6

**Chemical Name** 3-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]-methyl]thio-N-(aminosulfonyl)propanimidamide

**Synonym** Amfamox, Dispromil, Famodine, Fanosin, Gaster, Motiax, Pepcid, Ulcetrax

**Formula** C<sub>8</sub>H<sub>15</sub>N<sub>7</sub>O<sub>2</sub>S<sub>3</sub>

**Formula Wt.** 337.45

**Melting Point** 163-164°C

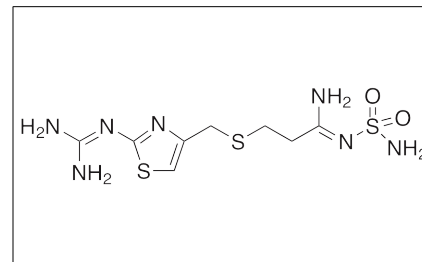
**Purity** ≥98%

**Solubility** Insoluble in water. Soluble in DMF.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Famotidine is an antagonist at histamine H<sub>2</sub> receptors that exhibits antacid and antioxidative activities. Famotidine inhibits gastric acid production and is clinically used to treat ulcers and gastroesophageal reflux disease (GERD). Famotidine also inhibits GSK-3β and suppresses radiation-induced DNA damage. TEST!!!!!!



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
F0150	500 mg	\$63.70
F0150	1 g	\$102.00
F0150	5 g	\$369.50

**References** Mohammad M, Al-Masri IM, Issa A, et al. Famotidine inhibits glycogen synthase kinase-3β: an investigation by docking simulation and experimental validation. J Enzyme Inhib Med Chem. 2013 Aug;28(4):690-4. PMID: 22512725.

Mozdarani H, Nasirian B, Haeri SA. In vivo gamma-rays induced initial DNA damage and the effect of famotidine in mouse leukocytes as assayed by the alkaline comet assay. J Radiat Res. 2007 Mar;48(2):129-34. PMID: 17299251.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.