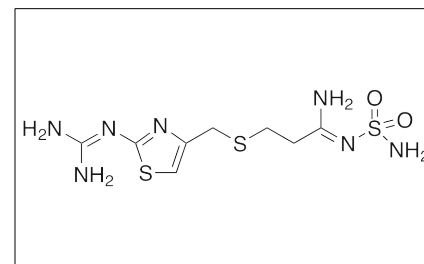


Product Information

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 C₈H₁₅N₇O₂S₃
Formula Wt. 337.45
Melting Point 163-164 °C
Purity ≥98%
Solubility Insoluble in water. Soluble in DMF.



Bulk quantities available upon request

Product ID	Size
F0150	500 mg
F0150	1 g
F0150	5 g

Store Temp Ambient

Ship Temp Ambient

Description Famotidine is an antagonist at histamine H₂ 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.

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.