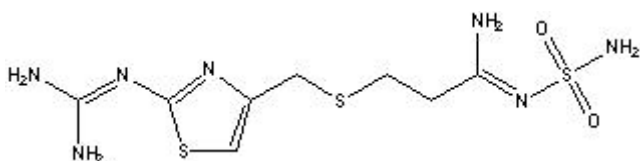


## TECHNICAL INFORMATION

Catalog Number: 158023

### Famotidine

#### Structure:



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

**Molecular Weight:** 337.4

**CAS #** 76824-35-6

**Synonyms:** N'-[Aminosulfonyl]-3-[2-[diaminomethyleneamino]-4-thiazolyl methylthio]-propanamidine; 3-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl] methyl]thio]- N-(aminosulfonyl) propanimidamide; [1-Amino-3-[[[2-[(diaminomethylene) amino]-4-thiazolyl] methyl]thio] propylidene] sulfamide; N-Sulfamoyl-3-[(2-guanidinothiazol-4-yl) methylthio] propionamide; YM-11170; MK-208

**Description:** A Histamine H<sub>2</sub> receptor antagonist.<sup>1</sup> An inhibitor of gastric acid and pepsin in rats.<sup>1</sup>

**Solubility:** Freely soluble in dimethyl formamide and in glacial acetic acid; slightly soluble in methanol; very slightly soluble in water; practically insoluble in acetone, ethanol, chloroform, ether or ethyl acetate

#### Reference:

– *Merck Index*, **12th Ed.**, No. 3972.