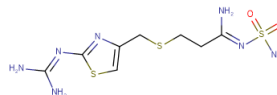


Product Name	: Famotidine
Synonyms	: MK-208; YM-11170
Cat No.	: M15908
CAS Number	: 76824-35-6
Molecular Formula	: C ₈ H ₁₅ N ₇ O ₂ S ₃
Formula Weight	: 337.45
Chemical Name	: (Z)-3-(((2-((diaminomethylene)amino)thiazol-4-yl)methyl)thio)-N'-sulfamoylpropanimidamide
Description	: Famotidine is a competitive histamine H ₂ -receptor antagonist. Its main pharmacodynamic effect is the inhibition of gastric secretion.
Pathway	: GPCR/G Protein
Target	: Histamine Receptor
Receptor	: H ₂ receptor
Solubility	: DMSO: 67 mg/mL (198.54 mM)
SMILES	: <chem>N/C(N)=NC1=NC(CSCC/C(N)=N/S(=O)(=O)N)=CS1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Takahashi HK, et al. Mol Pharmacol. 2006 Aug;70(2):450-3.