

General Properties

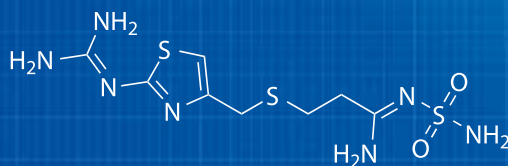
International nonproprietary name (INN)
Famotidine

IUPAC name
3-[[2-(diaminomethylideneamino)-1,3-thiazol-4-yl]methylsulfanyl]-N'-sulfamoylpropanimidamide

Cas registry No.
76824-35-6

indication
Histamine H2 receptor antagonist:
treatment of peptic ulceration.

structure



Famotidine (USP)

Physical form and appearance White to pale yellowish white, crystalline powder

Physical state solid

Form powder

Molecular weight 337.4

Molecular formula C₈H₁₅N₇O₂S₃

Identification HPLC

Solubility Freely soluble in DMF & AcOH, slightly sol. In MeOH very slightly sol. In water, practically insol. In acetone in alcohol in chloroform in ether and in ethyl acetate.

Storage Preserve in well-closed containers, protected from light. Store at room temperature.

