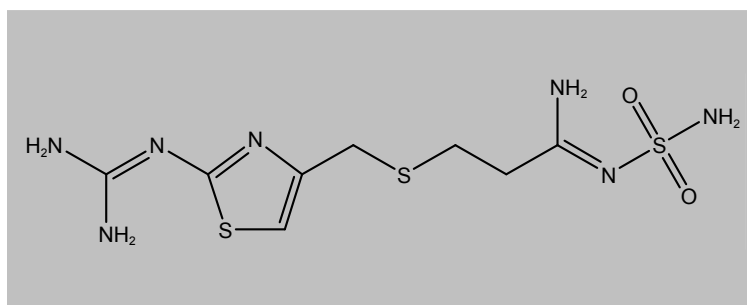


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 19/09/2013
COA Revision Date: 19/09/2016

Product: Famotidine
Cat. No.: BG0187
Batch No.: 0187BG/01
Chemical Name: 1-Amino-3-[[[2-[(diaminomethylene)amino]-4-thiazolyl]methyl]thio]propylidene] sulfamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₈H₁₅N₇O₂S₃
Batch Molecular Weight: 337.45
CAS No.: [76824-35-6]
Physical Appearance: White crystalline powder
Melting Point: 163 - 164° C
Solubility: Soluble in DMSO
Storage: RT
Batch Molecular Structure:



Product Description: A competitive Histamine H₂ receptor antagonist (pA₂ values are 8.33, 7.86 and 7.83 in the guinea pig atria, guinea pig papillary muscle and isolated rat gastric secretion respectively). Its main pharmacodynamic effect is the inhibition of gastric secretion.

References: 1. Bertaccini et al. (1986) Agents Actions 19:180; 2. Wesdorp (1992) Hepatogastroenterology 39:24

- CAUTION - Not fully tested. For Research use only. Not for human use. -

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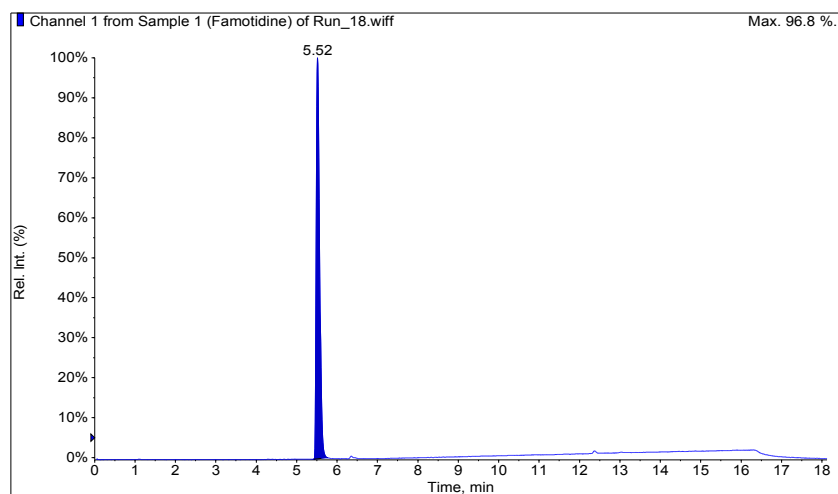
BG0187 Famotidine

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Loss on drying: 0.19% (complies); Residue on ignition: 0.06% (complies);
Organic volatile impurities: 0.16% (Complies); Heavy Metals: < 10 ppm
(complies); HPLC Assay: 99.2% (complies).



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