

## Famotidine (Cas No 161796-78-7)



### Famotidine

CAS number 161796-78-7

Systematic (IUPAC) name

3-([2-(diaminomethyleneamino)thiazol-4-yl]methylthio)-N'-sulfamoylpropanimidamide

### Identifiers

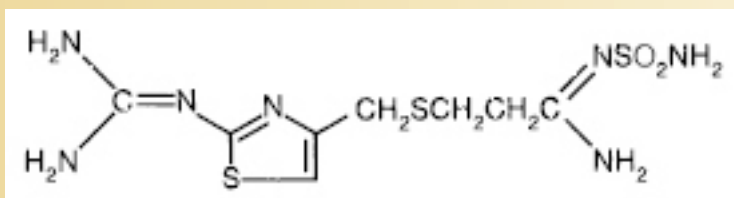
CAS number 76824-35-6

ATC code A02BA03

PubChem 3325

DrugBank APRD00296

ChemSpider 3208



### Chemical data

Formula C<sub>8</sub>H<sub>15</sub>N<sub>7</sub>O<sub>2</sub>S<sub>3</sub> Mol. mass 337.449 g/mol

### Pharmacokinetic data

Bioavailability 20–66%

Protein binding 10–28%

Metabolism hepatic-less than 30%

Half life 2.5–4 hours (clinical half-life 8–12 hours)

Excretion Principally excreted unchanged in urine

Excretion 80% Renal

20% faecal