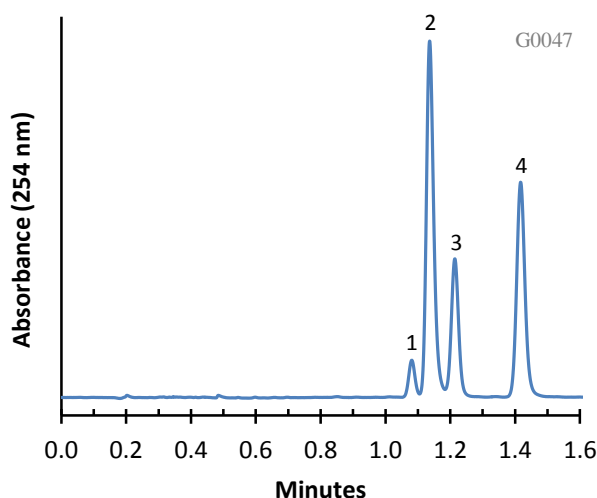


Separation of Antiulcer Drugs on HALO Penta-HILIC



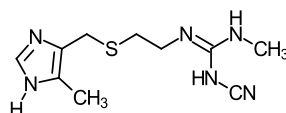
PEAK IDENTITIES:

1. Cimetidine
2. Nizatidine
3. Famotidine
4. Ranitidine

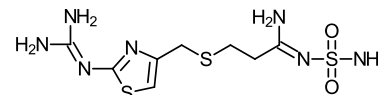
TEST CONDITIONS:

Column: 4.6 x 100 mm, HALO Penta-HILIC
 Part Number: 92814-605
 Mobile Phase: 10/90: A/B
 A= 0.04 M Ammonium formate, pH=3.0 (adj.)
 B= Acetonitrile
 Flow Rate: 3.0 mL/min.
 Pressure: 210 Bar
 Temperature: 30°C
 Detection: UV 254 nm, VWD
 Injection Volume: 2 µL
 Sample Solvent: mobile phase
 Response Time: 0.02 sec.
 Flow Cell: 2.5 µL semi-micro
 LC System: Shimadzu Prominence UFLC XR
 ECV: ~14 µL

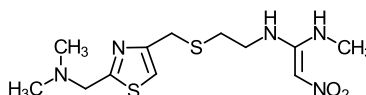
STRUCTURES:



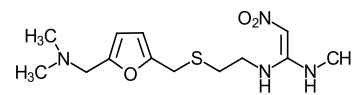
Cimetidine



Famotidine



Nizatidine



Ranitidine

The strongly basic antiulcer drugs can be rapidly separated on HALO Penta-HILIC phase using a mobile phase that works well with a mass spectrometer detector.