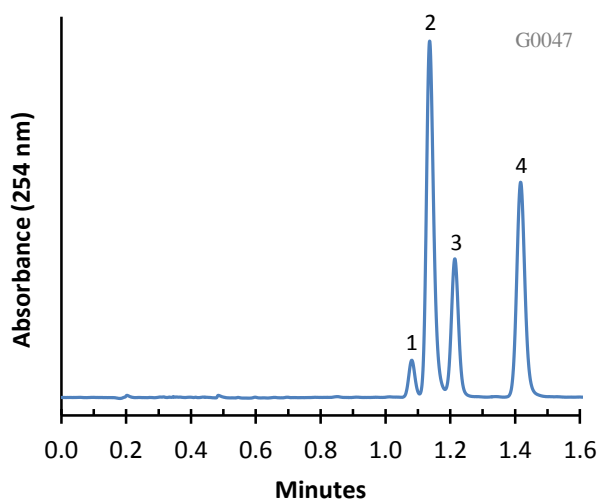


Separation of Antiulcer Drugs on HALO Penta-HILIC



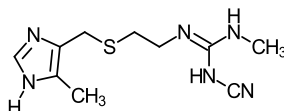
PEAK IDENTITIES:

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

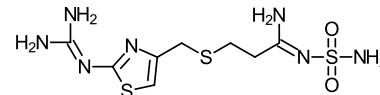
TEST CONDITIONS:

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

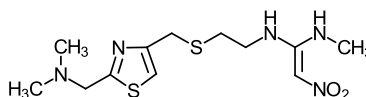
STRUCTURES:



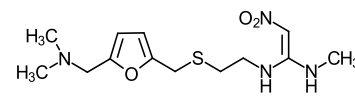
Cimetidine



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.