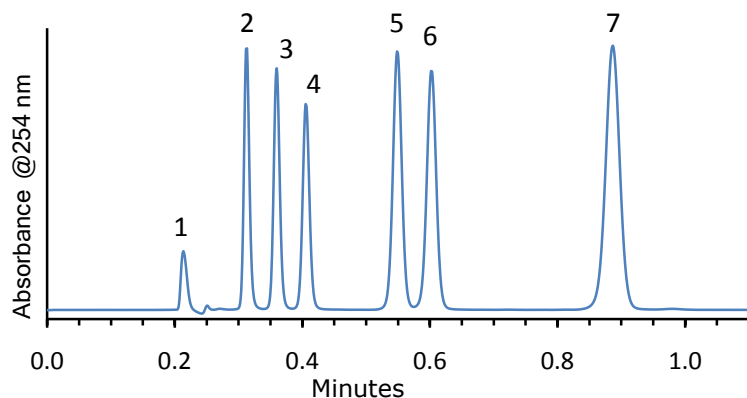


Application Note: 011-AB

## Separation of Sulfa Drugs on HALO RP-Amide



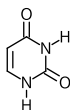
### PEAK IDENTITIES:

1. Uracil
2. Sulfathiazole
3. Sulfamerazine
4. Sulfamethizole
5. Sulfachloropyridazine
6. Sulfamethoxazole
7. Sulfadimethoxine

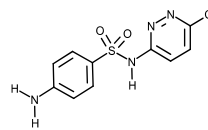
### TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO RP-Amide  
 Part Number: 92814-407  
 Mobile Phase: 70/30 A/B  
 A=0.1% formic acid with 0.005 M ammonium formate (pH=3.0)  
 B= acetonitrile  
 Flow Rate: 2.0 mL/min.  
 Pressure: 193 Bar  
 Temperature: 35°C  
 Detection: UV 254 nm, VWD  
 Injection Volume: 0.5 µL  
 Sample Solvent: methanol  
 Response Time: 0.02 sec.  
 Flow Cell: 2.5 µL semi-micro  
 LC System: Shimadzu Prominence UFLC-XR  
 Extra column volume: ~14 µL

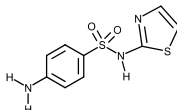
### STRUCTURES:



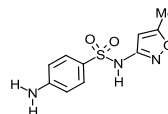
Uracil



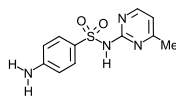
Sulfachloropyridazine



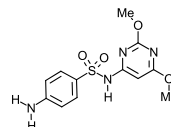
Sulfathiazole



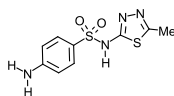
Sulfamethoxazole



Sulfamerazine



Sulfadimethoxine



Sulfamethizole

