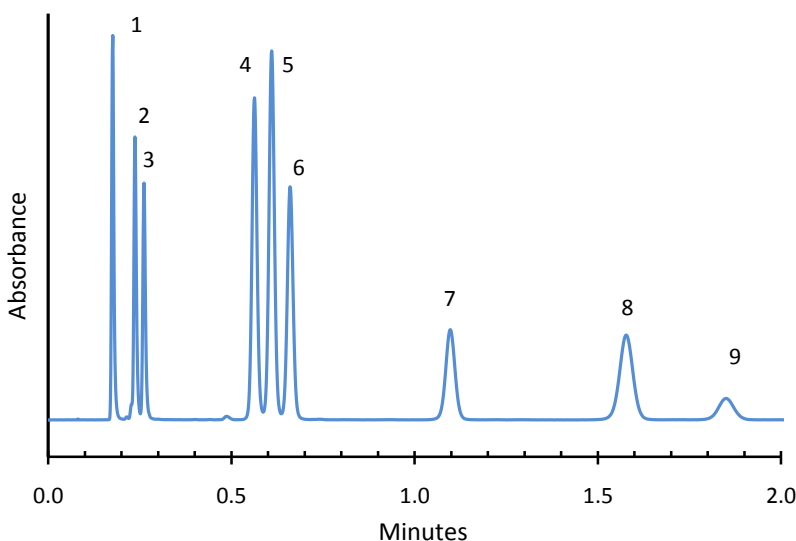


Application Note: 13-NS

## Isocratic Separation of NSAIDS on HALO C18



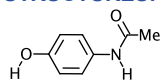
### PEAK IDENTITIES:

1. Acetaminophen
2. Aspirin
3. Salicylic acid
4. Tolmetin
5. Ketoprofen
6. Naproxen
7. Fenopropfen
8. Diclofenac
9. Ibuprofen

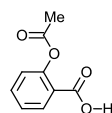
### TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO C18  
 Part Number: 92814-402  
 Mobile Phase: 43/57 A/B  
 A= 0.02 M sodium phosphate buffer, pH=2.5  
 B=(methanol/ACN)-50/50  
 Flow Rate: 3.0 mL/min.  
 Pressure: 338 Bar  
 Temperature: 35°C  
 Detection: UV 254 nm, VWD  
 Injection Volume: 1.0 µL  
 Sample Solvent: methanol/ water-50/50  
 Response Time: 0.02 sec.  
 Flow Cell: 2.5 µL semi-micro  
 LC System: Shimadzu Prominence UFLC XR  
 Extra column volume: ~14 µL

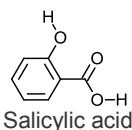
### STRUCTURES:



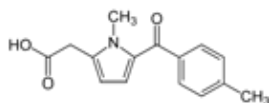
Acetaminophen



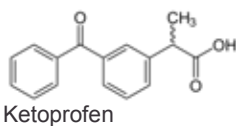
Aspirin



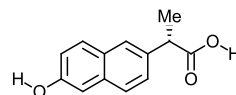
Salicylic acid



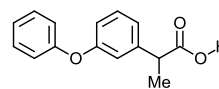
Tolmetin



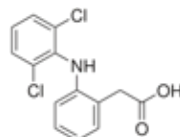
Ketoprofen



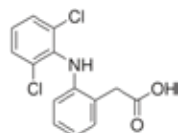
Naproxen



Fenopropfen



Diclofenac



Ibuprofen

