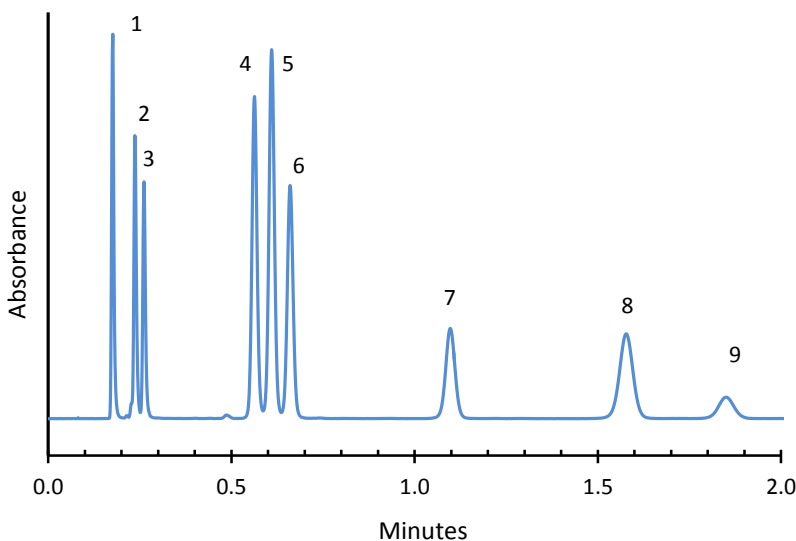


Application Note: 013-NS

Isocratic Separation of NSAIDs on HALO C18



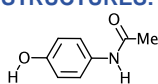
PEAK IDENTITIES:

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

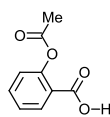
TEST CONDITIONS:

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

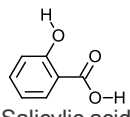
STRUCTURES:



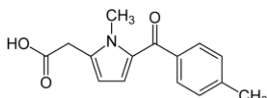
Acetaminophen



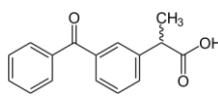
Aspirin



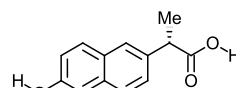
Salicylic acid



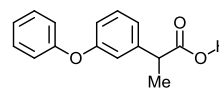
Tolmetin



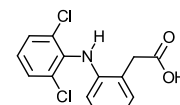
Ketoprofen



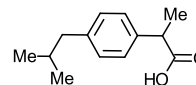
Naproxen



Fenoprofen



Diclofenac



Ibuprofen