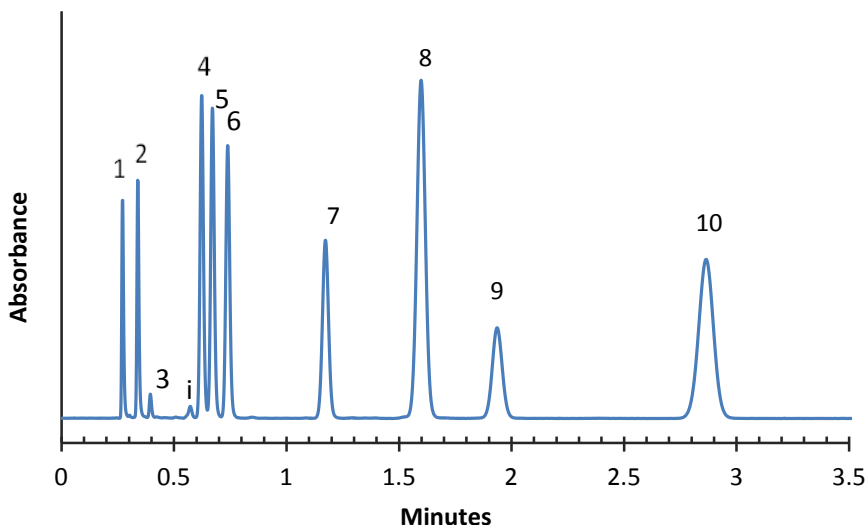


Application Note: 015-NS

Separation of NSAIDs on HALO C8



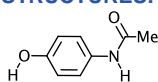
PEAK IDENTITIES:

1. Acetaminophen
 2. Aspirin
 3. Salicylic acid
 4. Tolmetin
 5. Ketoprofen
 6. Naproxen
 7. Fenoprofen
 8. Diclofenac
 9. Ibuprofen
 10. Mefenamic acid
- i=impurity

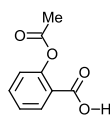
TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO C8, 2.7µm
 Part Number: 92814-408
 Mobile Phase: 35/65-- A/B
 A= 0.02 M sodium phosphate buffer, pH=2.5
 B= methanol
 Flow Rate: 2.0 mL/min.
 Pressure: 277 Bar
 Temperature: 35°C
 Detection: UV 254 nm, VWD
 Injection Volume: 1.0 µL
 Sample Solvent: mobile phase
 Response Time: 0.02 sec.
 Flow Cell: 2.5 µL semi-micro
 LC System: Shimadzu Prominence UFLC XR
 Extra column volume ~14 µL

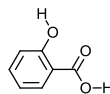
STRUCTURES:



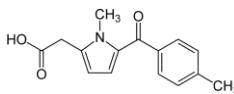
Acetaminophen



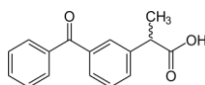
Aspirin



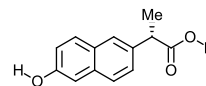
Salicylic acid



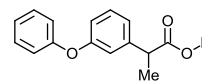
Tolmetin



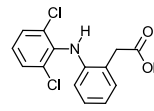
Ketoprofen



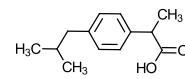
Naproxen



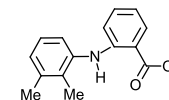
Fenoprofen



Diclofenac



Ibuprofen



Mefenamic acid