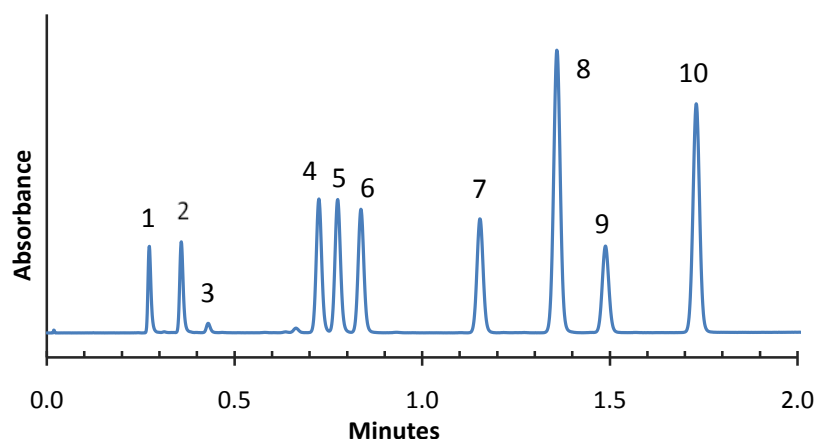


Application Note: 14-NS

Gradient Separation of NSAIDs on HALO C8



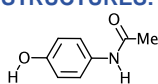
PEAK IDENTITIES:

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

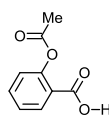
TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO C8
 Part Number: 92814-408
 Mobile Phase: 38/62-- A/B (start)
 A= 0.02 M sodium phosphate buffer, pH=2.5
 B= methanol
 Gradient:
 0.0 min 62%B
 0.1 min 62%B
 2.0 min 85%B
 Flow Rate: 2.0 mL/min.
 Pressure: 286 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

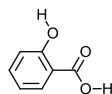
STRUCTURES:



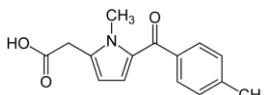
Acetaminophen



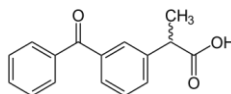
Aspirin



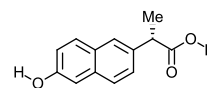
Salicylic acid



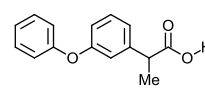
Tolmetin



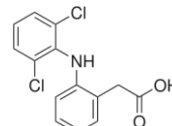
Ketoprofen



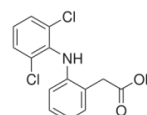
Naproxen



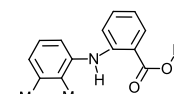
Fenoprofen



Diclofenac



Ibuprofen



Mefanamic acid