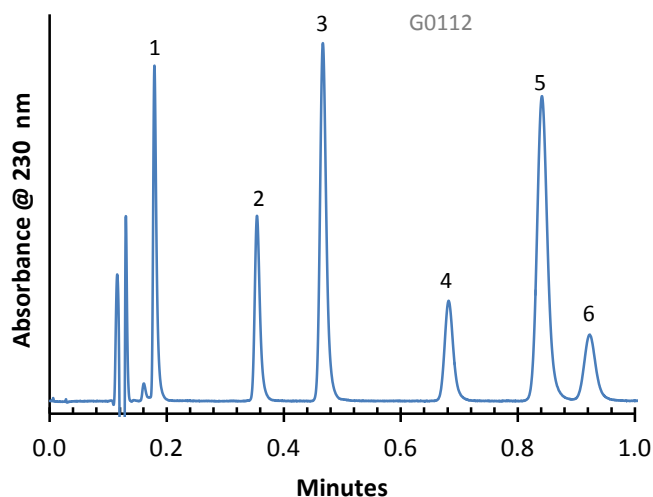


Application Note: 128-NS

## NSAIDs Separation on HALO 2 ES-CN with MS Compatible Mobile Phase



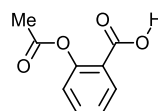
### PEAK IDENTITIES:

1. Aspirin
2. Tolmetin
3. Naproxen
4. Fenoprofen
5. Ibuprofen
6. Diclofenac

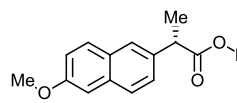
### TEST CONDITIONS:

Column: 3.0 x 50 mm, HALO 2 ES-CN  
 Part Number: 91813-404  
 Mobile Phase: 60/40-A/B  
 A= Water with 0.1% formic acid/  
 10 mM ammonium formate, pH 3.3  
 B= 80/20 Acetonitrile/Water with 0.1%  
 formic acid/10 mM ammonium formate  
 Flow Rate: 2.0 mL/min.  
 Pressure: 440 bar  
 Temperature: 45 °C  
 Detection: UV 230 nm, PDA  
 Injection Volume: 1 µL  
 Sample Solvent: Water/methanol  
 Data Rate: 80 Hz  
 Response Time: 0.02 sec.  
 Flow Cell: 2 µL micro cell  
 LC System: Agilent 1200 SL

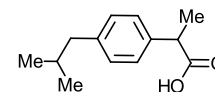
### STRUCTURES:



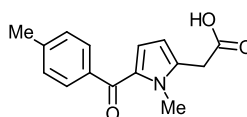
Aspirin



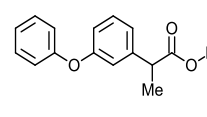
Naproxen



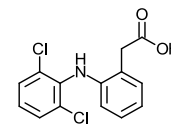
Ibuprofen



Tolmetin



Fenoprofen



Diclofenac

Six NSAIDs are separated on a HALO 2 ES-CN column using a MS compatible mobile phase in less than 1 minute with symmetrical peak shapes.