

Non-Steroidal Anti-Inflammatory Drugs by LC-MS/MS

ACE[®]
Ultra-inert
UHPLC & HPLC Columns

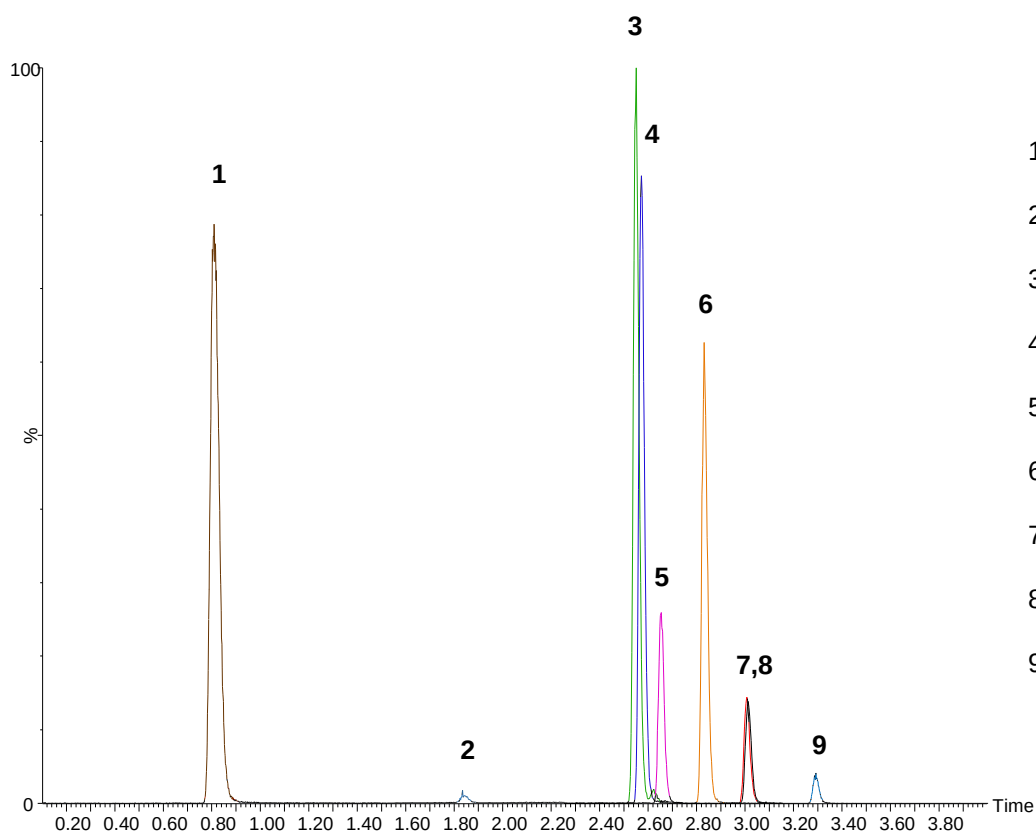
Application #AN2630

Conditions

Column: ACE Excel 2 C18
Dimensions: 50 x 2.1 mm
Part Number: EXL-101-0502U
Mobile Phase: A: 2 mM ammonium acetate, 0.1% formic acid in H₂O
B: 2 mM ammonium acetate, 0.1% formic acid in MeOH

Time (mins)	%B
0.0	15
2.0	70
3.0	90
3.3	15

Flow Rate: 0.4 mL/min
Injection: 10 µL
Temperature: 40 °C
Detection: MS/MS
ESI in positive ion mode
Sample: 10 pg/µL



1. Acetaminophen
(m/z 151.7 $\rightarrow$ 109.7)
2. Salicylic acid
(m/z 136.7 $\rightarrow$ 92.7)
3. Sulindac
(m/z 357.0 $\rightarrow$ 233.1)
4. Ketoprofen
(m/z 255.0 $\rightarrow$ 209.0)
5. Naproxen
(m/z 231.0 $\rightarrow$ 184.9)
6. Phenylbutazone
(m/z 309.1 $\rightarrow$ 119.8)
7. Indomethacin
(m/z 357.9 $\rightarrow$ 138.7)
8. Diclofenac
(m/z 295.8 $\rightarrow$ 213.9)
9. Mefenamic acid
(m/z 242.0 $\rightarrow$ 208.8)

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