

## Non-Steroidal Anti-Inflammatory Drugs (III)

Application #AN3570

### Conditions

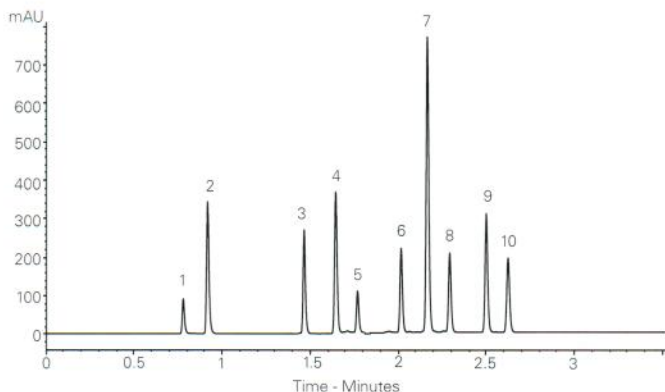
**Column:** ACE UltraCore 2.5 SuperC18  
**Dimensions:** 50 x 3.0 mm  
**Part Number:** CORE-25A-0503U  
**Mobile Phase:** A: 0.1% formic acid in H<sub>2</sub>O  
 B: 0.1% formic acid in MeCN  
**Gradient:**

Time (mins)	%B
0.02	20
2.71	70
3.39	70
3.52	20

**Flow Rate:** 0.85 mL/min  
**Injection:** 1.04 µL  
**Temperature:** 40 °C  
**Detection:** UV, 254 nm

### Analytes

- Aspirin
- Phenacetin
- Sulindac
- Tolmetin
- Naproxen
- Nimesulide
- Flurbiprofen
- Diclofenac
- Phenylbutazone
- Meclofenamic acid



## Non-Steroidal Anti-Inflammatory Drugs – Fast Analysis

Application #AN2080

### Conditions

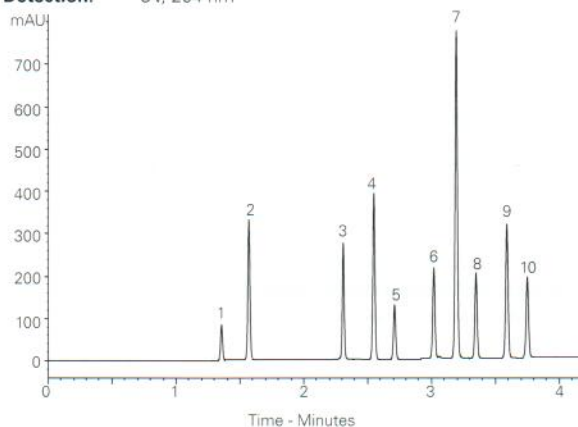
**Column:** ACE Excel 2 SuperC18  
**Dimensions:** 50 x 3.0 mm  
**Part Number:** EXL-1011-0503U  
**Mobile Phase:** A: 0.1% formic acid in H<sub>2</sub>O  
 B: 0.1% formic acid in MeCN  
**Gradient:**

Time (mins)	%B
0.00	20
0.25	20
3.50	70
4.00	20
4.25	20

**Flow Rate:** 0.86 mL/m  
**Injection:** 1.4 µL  
**Temperature:** 40 °C  
**Detection:** UV, 254 nm

### Analytes

- Aspirin
- Phenacetin
- Sulindac
- Tolmetin
- Naproxen
- Nimesulide
- Flurbiprofen
- Diclofenac
- Phenylbutazone
- Meclofenamic acid



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

Application #AN2630

### Conditions

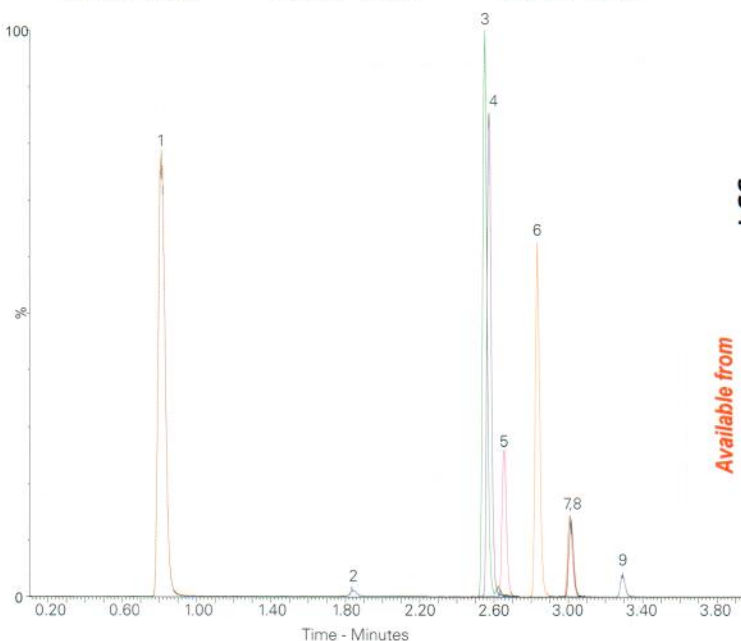
**Column:** ACE Excel 2 C18  
**Dimensions:** 50 x 2.1 mm  
**Part Number:** EXL-101-0502U  
**Mobile Phase:** A: 2 mM ammonium acetate, 0.1% formic acid in H<sub>2</sub>O  
 B: 2 mM ammonium acetate, 0.1% formic acid in MeOH  
**Gradient:**

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

### Analytes

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



Available from



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