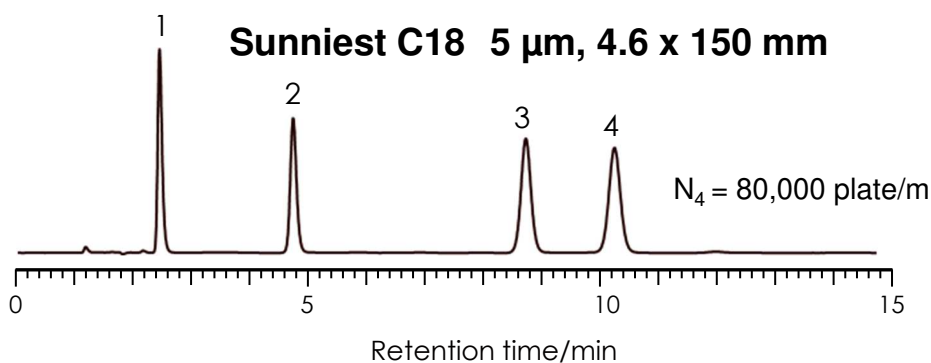


解熱鎮痛剤の高速・高分離

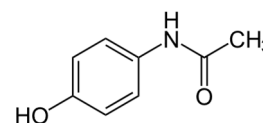
Sunniest C18-HT 2 μ m, 50 x 2.1 mm i.d.
Sunniest C18 5 μ m, 150 x 4.6 mm i.d.

High-throughput analysis of Analgesics

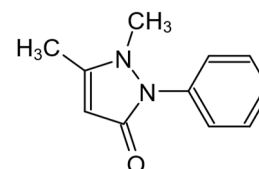
(N: theoretical plate number)



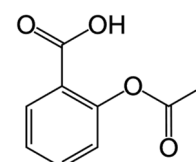
1. Acetaminophen



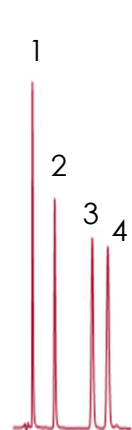
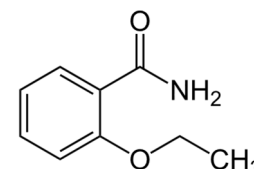
2. Antipyrine



3. Aspirin



4. Ethenzamide

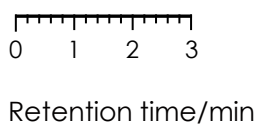


← 1/5 the time



Sunniest C18-HT 2 μ m, 2.1 x 50 mm

$N_4 = 175,000$ plate/m



→ 2X efficiency

Column: Sunniest C18, 5 μ m, 4.6 x 150 mm
Sunniest C18-HT, 2 μ m, 2.1 x 50 mm
Mobile phase: Acetonitrile / 0.1% Formic acid = 20/80
Flow rate: 1.0 mL/min for 4.6 mm I.D.
0.6 mL/min for 2.1 mm I.D.
Temperature: 40 $^{\circ}$ C
Detection: UV@230 nm

Sample:
1 = Acetaminophen
2 = Antipyrine
3 = Aspirin
4 = Ethenzamide