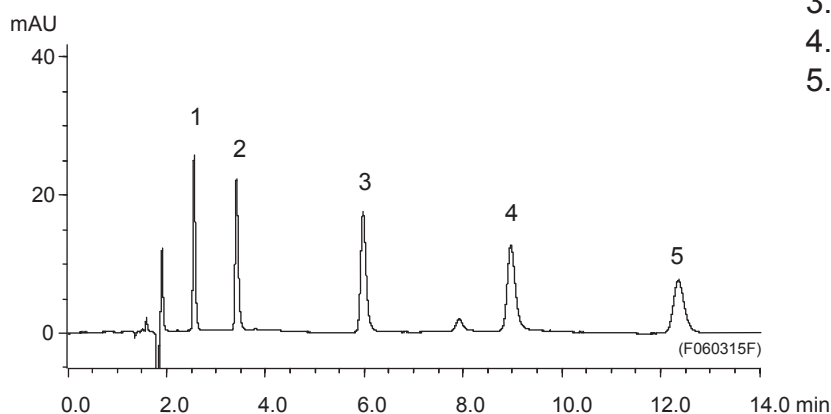


アルカロイドー2 μmカラムによる超高速分析化
Alkaloids—method transfer to ultra-fast LC

F080627A

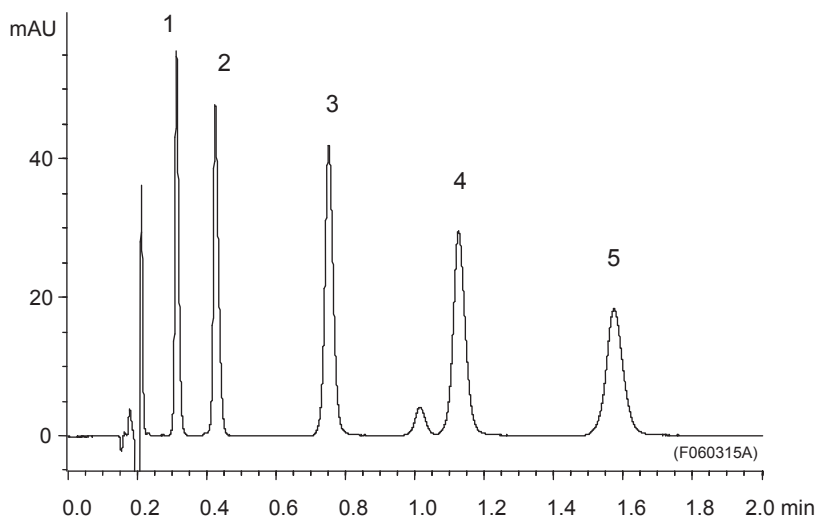
Conventional LC method



1. Scopolamine
2. Atropine
3. Cinchonine
4. Quinine
5. Dihydroquinine

Column : YMC-Pack Pro C18
(5 μm, 12 nm)
150 mm × 4.6 mm I.D.
Flow rate : 1.0 mL/min
Injection : 5 μL

Ultra-fast LC method



Column : YMC-UltraHT Pro C18
(2 μm, 12 nm)
50 mm × 2.0 mm I.D.
Flow rate : 0.6 mL/min
Injection : 1 μL

Eluent□ : 20 mM CH₃COOH-CH₃COONH₄ (pH 4.9) / acetonitrile (80/20)
Temperature□ : 40 °C
Detection□ : UV at 220 nm
Injection□ : 0.02-0.1 mg/mL