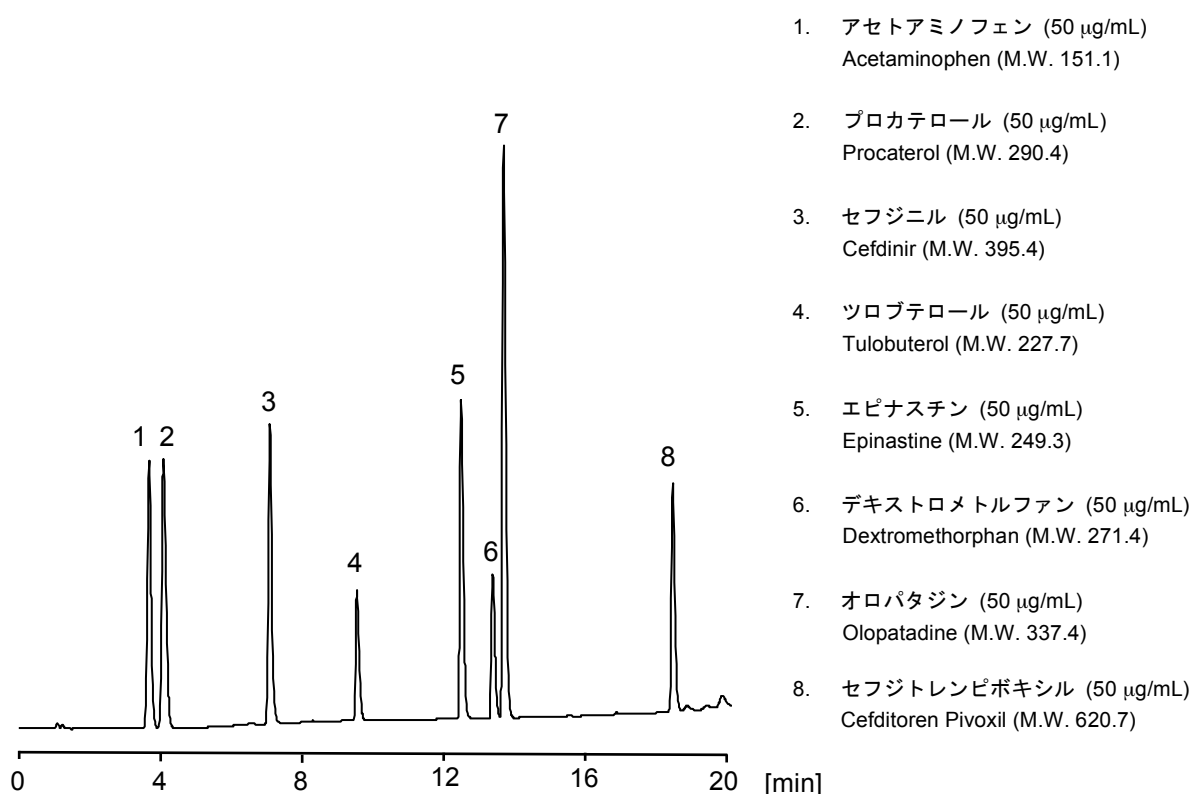


医薬品の同時分析

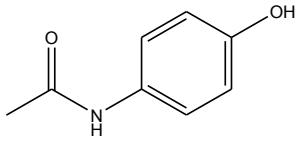
Simultaneous analysis of drugs

解熱鎮痛剤、鎮咳去痰薬、抗ヒスタミン薬、抗生物質など様々な成分を一斉に分析した例を示します。CAPCELL PAK C₁₈ MGII S3 (2.0 mm i.d. x 100 mm) を使い、グラジエント溶出にて 8 成分を分離することが可能でした。

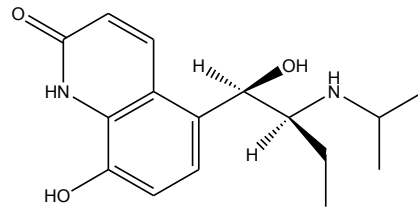


【HPLC Conditions】

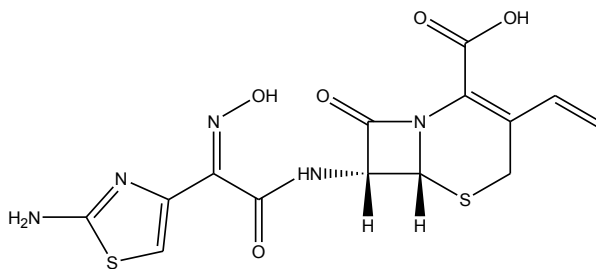
Column : CAPCELL PAK C₁₈ MGII S3 ; 2.0 mm i.d. x 100 mm
 Mobile phase : A) 0.1 vol% H₃PO₄, B) 0.1 vol% H₃PO₄, CH₃CN
 B 8 % (0 min) -> 55 % (20 min) -> 8 % (20.1 min) Gradient
 Flow rate : 200 µL/min
 Temperature : 40 °C
 Detection : PDA 220 nm
 Inj. vol. : 1 µL
 Sample dissolved in : Epinastine was dissolved in the solution (CH₃OH / 1 vol% H₃PO₄ = 4 / 1) at 1000 µg /mL. Cefdinir was dissolved in 0.1 mol/L Phosphate buffer (pH 7). Cefditoren Pivoxil was dissolved in solution (CH₃CN / H₂O / H₃PO₄ = 600 / 400 / 0.1). The other compounds were dissolved in 50 vol% CH₃OH. Those compounds mixed together, diluted with 20 vol% CH₃CN at 50 µg/mL.



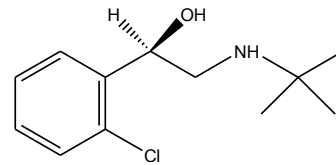
1. Acetaminophen



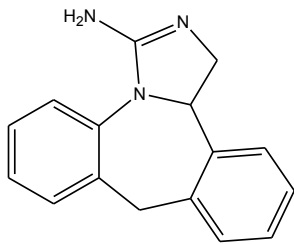
2. Procaterol



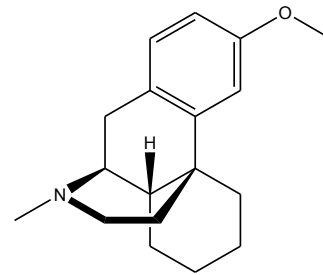
3. Cefdinir



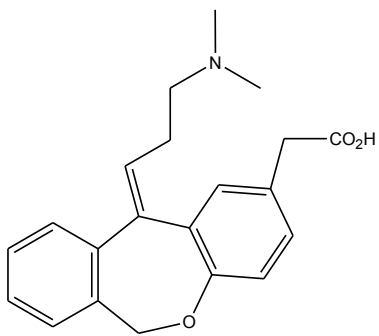
4. Tulobuterol



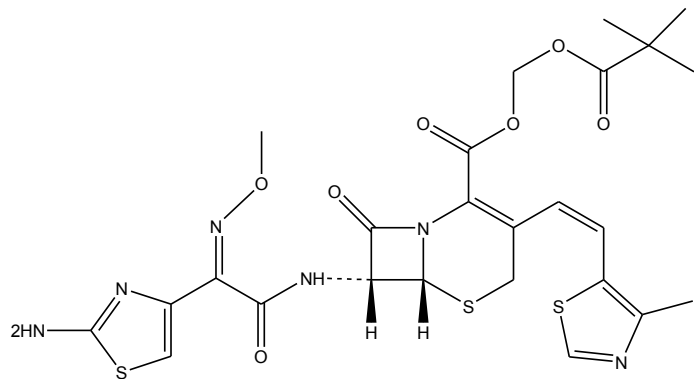
5. Epinastine



6. Dextromethorphan



7. Olopatadine



8. Cefditoren Pivoxil

試料提供: 東和薬品株式会社さま