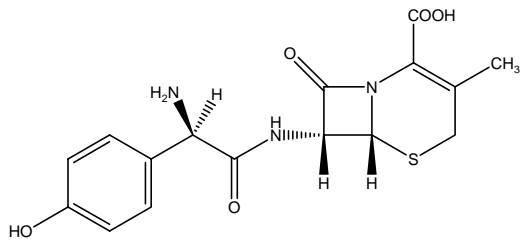


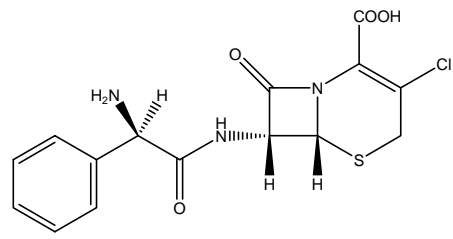
1. セファドロキシル (200  $\mu\text{g}/\text{mL}$ )  
Cefadroxil (M.W. 363.4)
2. セファクロル (200  $\mu\text{g}/\text{mL}$ )  
Cefaclor (M.W. 367.8)
3. セフトゾキシム (200  $\mu\text{g}/\text{mL}$ )  
Ceftizoxime (M.W. 368.4)
4. セファレキシン (200  $\mu\text{g}/\text{mL}$ )  
Cefalexin (M.W. 347.4)
5. セフテゾール (200  $\mu\text{g}/\text{mL}$ )  
Ceftezole (M.W. 440.5)
6. セフラジン (200  $\mu\text{g}/\text{mL}$ )  
Cefradine (M.W. 349.4)
7. セフォタキシム (200  $\mu\text{g}/\text{mL}$ )  
Cefotaxime (M.W. 477.4)
8. セファゾリン (200  $\mu\text{g}/\text{mL}$ )  
Cefazolin (M.W. 476.5)

## 【HPLC Conditions】

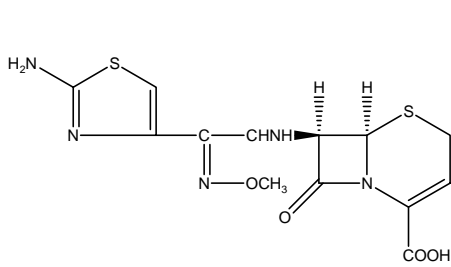
Column : CAPCELL PAK C<sub>18</sub> MGII S5 ; 2.0 mm i.d. x 150 mm  
 Mobile phase : A) 10 mmol/L Ammonium acetate (adjusted at pH 3.5 with acetic acid)  
 B) CH<sub>3</sub>CN  
 B 5 % (0.0 min) -> 5 % (3.0 min) -> 15 % (35.0 min) -> 5 % (35.1 min) -> 5 % (45.0 min) Gradient  
 Flow rate : 200  $\mu\text{L}/\text{min}$   
 Temperature : 40 °C  
 Detection : PDA 254 nm  
 Inj. vol. : 2  $\mu\text{L}$   
 Sample dissolved in : 20-mg/mL solution was prepared for each compound {Compounds 1 and 2 (C1 and C2) in 25% methanol, C3 in phosphate buffer (pH 7), C4, C6, C7, and C8 in water, C5 in acetonitrile}. An equi-volume mixture of the eight solutions was prepared, and diluted with the mobile phase (A/B = 95/5), so that each concentration be 200  $\mu\text{g}/\text{mL}$ .  
 ※ 1  $\mu\text{g}/\text{mL}$  = 1 ppm



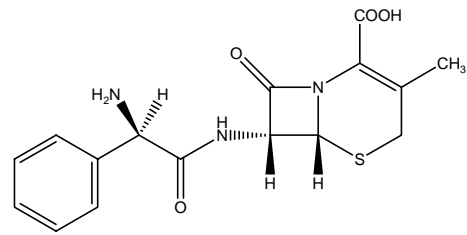
1. Cefadroxil



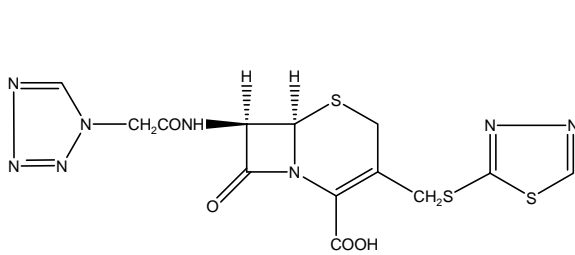
2. Cefaclor



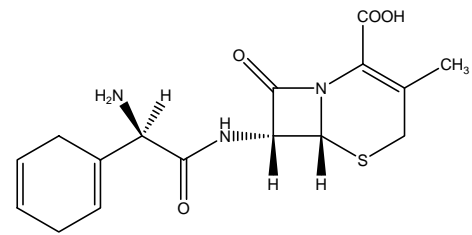
3. Cefprozime



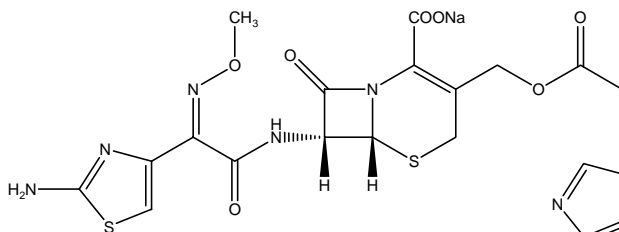
4. Cefalexin



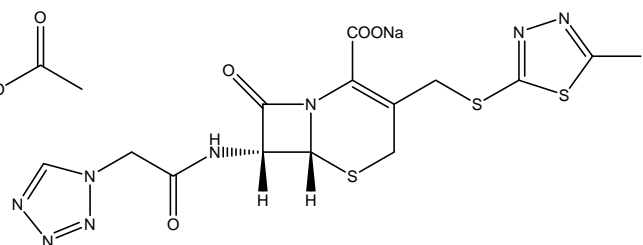
5. Ceftezole



6. Cefradine



7. Cefotaxime



8. Cefazolin