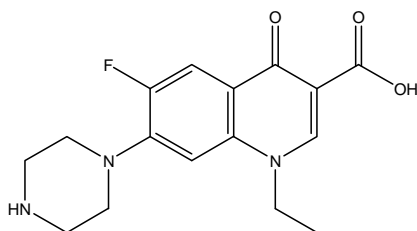


## キノロン剤

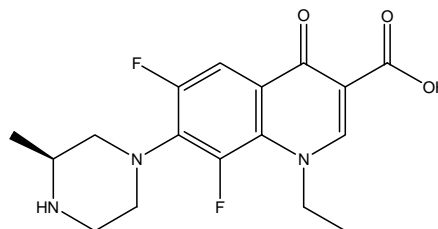
## Quinolone agents

合成抗菌剤である6種類のキノロン剤の一斉分析について、CAPCELL PAK C<sub>18</sub> MGIII-H S3 (2.0 mm i.d. x 50 mm) を用いた分析例を紹介します。

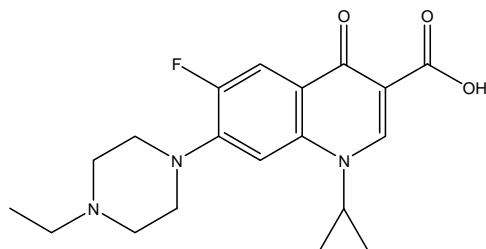
Quinolone is one of the synthetic antibacterial agents. Shown here is the simultaneous analysis of 6 quinolone agents with CAPCELL PAK C<sub>18</sub> MGIII-H S3 (2.0 mm i.d. x 50 mm).



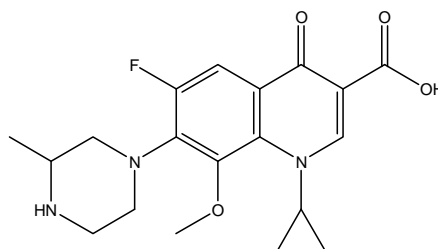
1. ノロフロキサシン (50 µg/mL)  
Norfloxacin (M.W. 319.3)



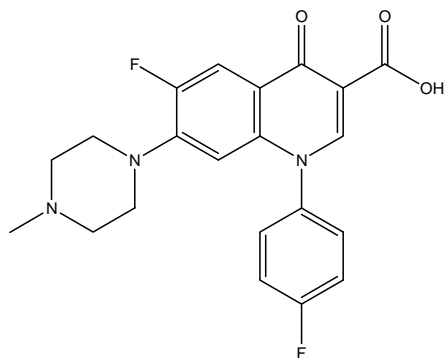
2. ロメフロキサシン (50 µg/mL)  
Lomefloxacin (M.W. 351.4)



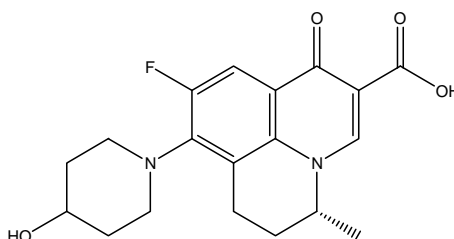
3. エンフロフロキサシン (50 µg/mL)  
Enrofloxacin (M.W. 359.4)



4. ガチフロキサシン (50 µg/mL)  
Gatifloxacin (M.W. 375.4)

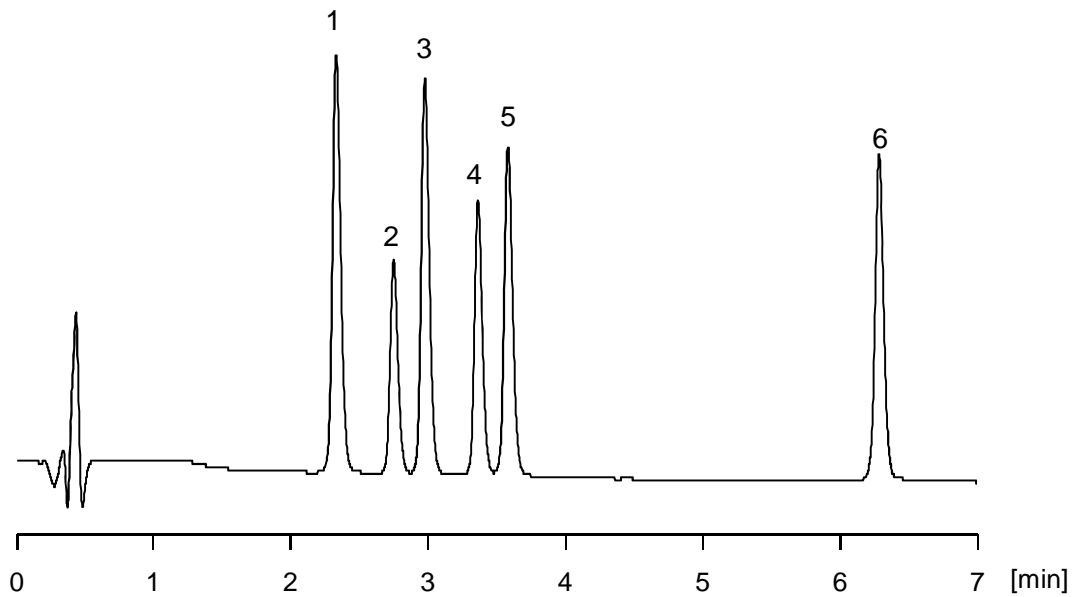


5. ジフロキサシン (50 µg/mL)  
Difloxacin (M.W. 399.4)



6. ナジフロキサシン (50 µg/mL)  
Nadifloxacin (M.W. 360.4)

1. ノロフロキサシン  
Norfloxacin
2. ロメフロキサシン  
Lomefloxacin
3. エンロフロキサシン  
Enrofloxacin
4. ガチフロキサシン  
Gatifloxacin
5. ジフロキサシン  
Difloxacin
6. ナジフロキサシン  
Nadifloxacin



**【HPLC Conditions】**

Column : CAPCELL PAK C<sub>18</sub> MGIII-H S3 ; 2.0 mm i.d. x 50 mm  
 Mobile phase : A) 10 mmol/L HCOONH<sub>4</sub> (pH 3, HCOOH)  
                   B) CH<sub>3</sub>CN  
                   B 10 % (0 min) -> 40 % (7 min) -> 10 % (7.1 min) Gradient  
 Flow rate : 400 μL/min  
 Temperature : 40 °C  
 Detection : UV 254 nm  
 Inj. vol. : 2 μL  
 Sample dissolved in : Each standard compound was separately dissolved in CH<sub>3</sub>OH at 1 mg/mL. Equal amount of all the solutions were mixed together, and further diluted to 50 mg/mL with water.

※ 1 μg/mL = 1 ppm