

Simultaneous Specific Determination of Five Fluoroquinolone Antibiotics Using Isocratic HPLC-UV

The method is intended for the highly selective determination of five fluoroquinolone antibiotics (sparfloxacin, enrofloxacin, ofloxacin, ciprofloxacin, norfloxacin) in various pharmaceutical and biological samples using simple isocratic 400 bar HPLC system with a conventional UV detector.

The method is capable to determine fluoroquinolone antibiotics in complex matrices that contain any neutral or basic matrix compounds.

Chromatogram

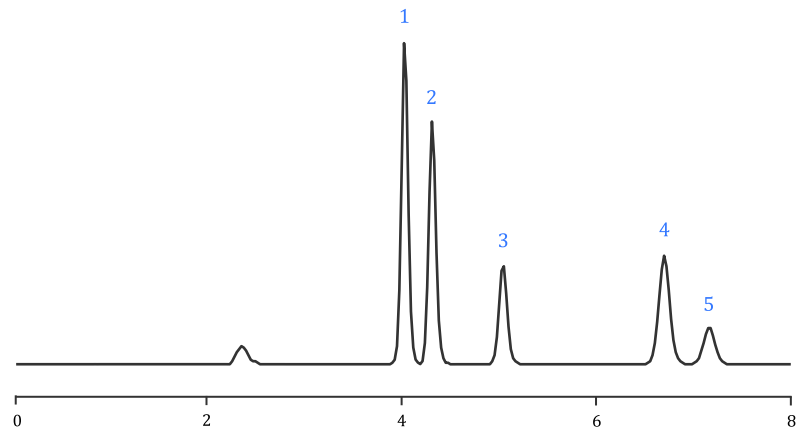
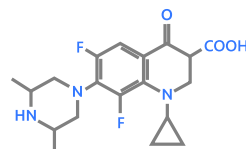


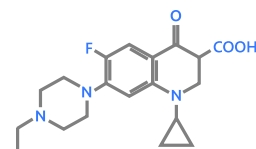
Figure 1. Specific determination of five fluoroquinolone antibiotics.
Detection: UV 290 nm

Analytes

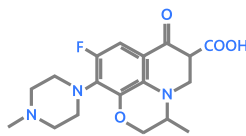
1. Sparfloxacin, 2. Enrofloxacin, 3. Ofloxacin,
4. Ciprofloxacin, 5. Norfloxacin



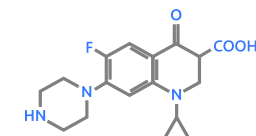
#1
Sparfloxacin



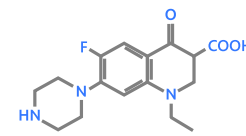
#2
Enrofloxacin



#3
Ofloxacin



#4
Ciprofloxacin



#5
Norfloxacin