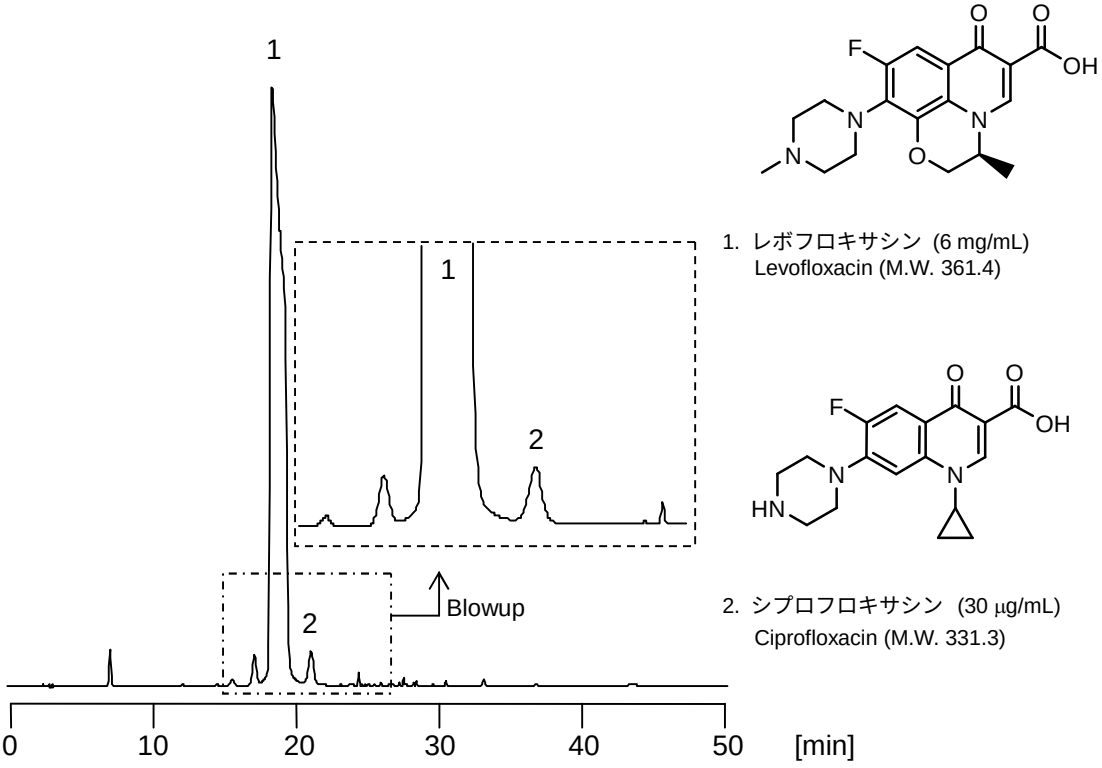
レボフロキサシン　Levofloxacin

レボフロキサシンは，合成抗菌剤の一種です．中国薬典のレボフロキサシンの項のシステム適合性試験では指定された濃度において，レボフロキサシンとシプロフロキサシンの分離が求められています．CAPCELL PAK C_{18} MG S5（4.6 mm i.d. x 250 mm）を用いシステム適合性試験を行った例を紹介します．

Levofloxacin is one of the synthetic antibacterial drugs. System suitability test in the Chinese Pharmacopoeia requires that the compound and ciprofloxacin be separated with each other. The following test results were obtained with CAPCELL PAK C_{18} MG S5 (4.6 mm i.d. x 250 mm).



【HPLC Conditions】

Column	: CAPCELL PAK C_{18} MG S5 ; 4.6 mm i.d. x 250 mm
Mobile phase	: 40 mmol/L CH_3COONH_4, 44 mmol/L $NaClO_4$ (adjusted at pH 2.2 with H_3PO_4) / CH_3CN = 85 / 15
Flow rate	: 1.0 mL/min
Temperature	: 40 ˚C
Detection	: UV 294 nm
Inj. vol.	: 10 μL
Sample dissolved in	: 100 mmol/L HCl

※ 1 μg/mL = 1 ppm