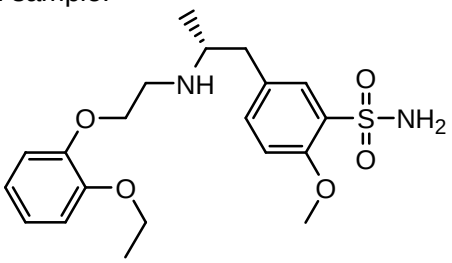
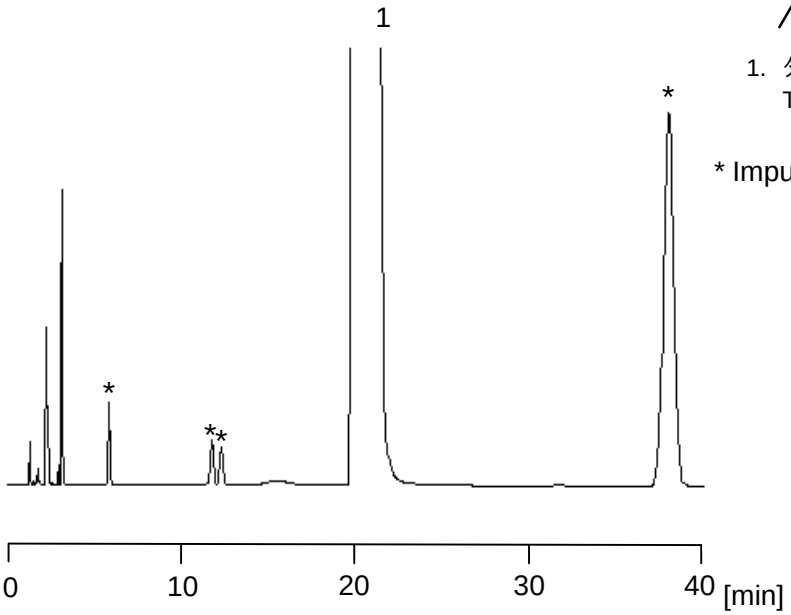
タムスロシン　Tamsulosin

交感神経α受容体遮断薬，タムスロシンを EP の条件によって分析しました．この試験法は高濃度のタムスロシンを注入し，含有される不純物を観測することを目的とします．

Tamsulosin, a α-blocker, was analyzed according to the method described in The European Pharmacopoeia. The objective of the method is to observe impurities contained in the compound by introducing a high-concentration sample.





1. タムスロシン (5 mg/mL)
   Tamsulosin (M.W. 408.5)

* Impurities

【HPLC Conditions】

Column	: CAPCELL PAK C_{18} MGII S5 ; 4.6 mm i.d. x 250 mm
Mobile phase	: 3.0 g of NaOH and 8.7 mL of $HClO_4$ were dissolved in 1.9 L of H_2O. The pH value was adjusted with 0.5 mol/L NaOH at 2.0. Then, the volume was adjusted to 2.0 L by adding H_2O. The resultant solution / CH_3CN = 75 / 25
Flow rate	: 1.4 mL/min
Temperature	: 40 ℃
Detection	: UV 225 nm
Inj. vol.	: 10 μL
Sample dissolved in	: Mobile phase

* 1 μg/mL = 1 ppm