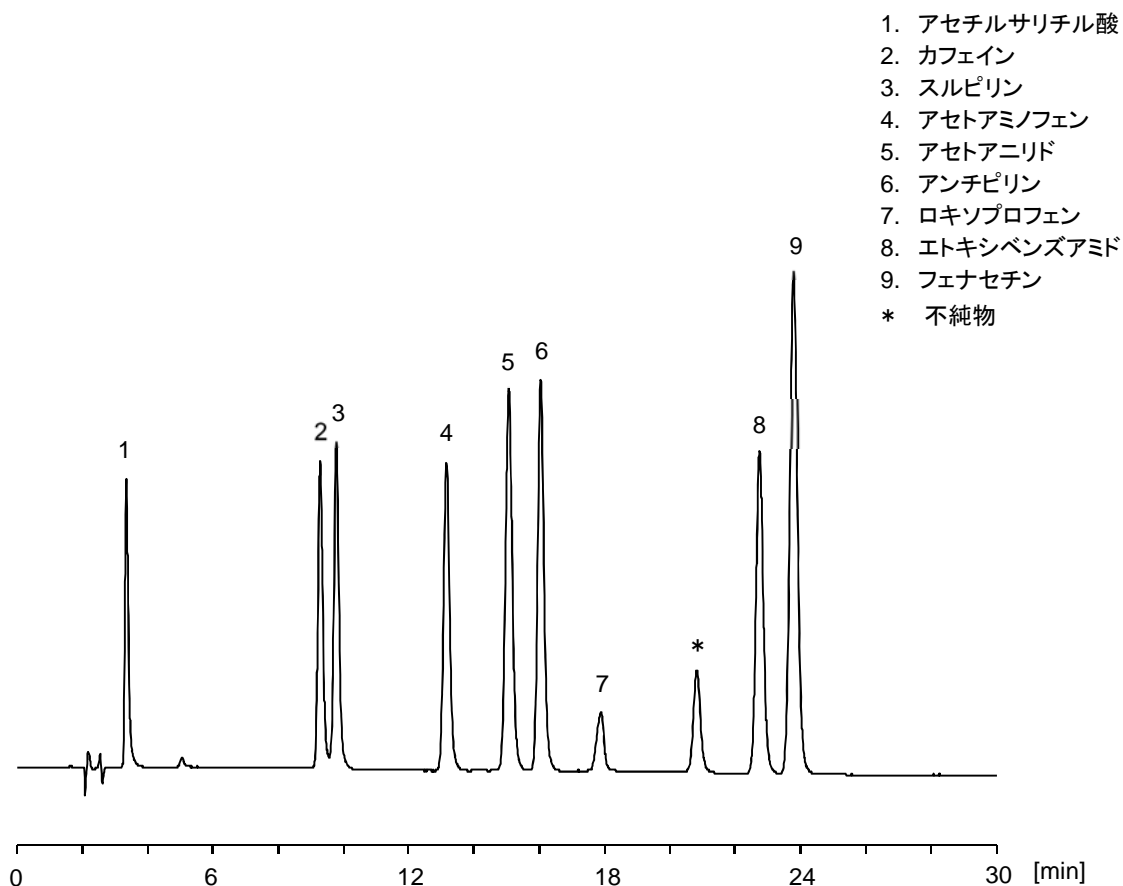


解熱鎮痛剤

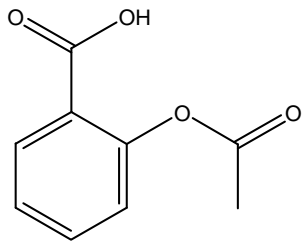
Antipyretic analgesic drugs

解熱鎮痛剤として用いられる化合物 8 種類とカフェインを含む 9 種類について、CAPCELL PAK ADME S5 (2.1 mm i.d. x 150 mm) を用いて分析した例を示します。充分な保持と分離を達成しています。

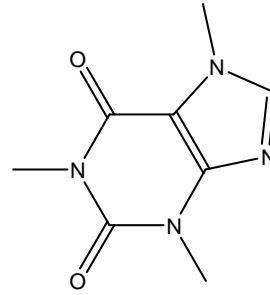


【HPLC Conditions】

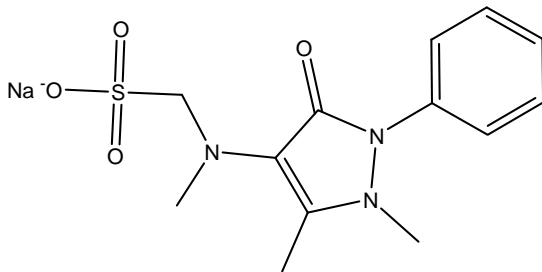
Column : CAPCELL PAK ADME S5 ; 2.1 mm i.d. x 150 mm
Mobile phase : A) 10 mmol/L HCOONH₄, B) CH₃CN
B 10 % (0 min) -> 30 % (30 min) -> 10 % (30.1 min) Gradient
Flow rate : 200 μL/min
Temperature : 40 °C
Detector : PDA 245 nm
Inj. vol. : 1 μL
Sample dissolved in : Each Compound was separately dissolved in CH₃OH, and then diluted with mobile phase A.



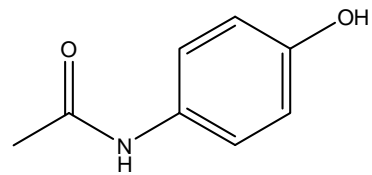
1. アセチルサリチル酸 (75 $\mu\text{g/mL}$)
Acetylsalicylic acid (M.W. 180.2)



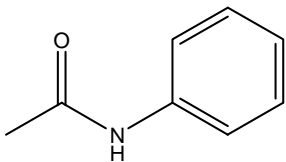
2. カフェイン (50 $\mu\text{g/mL}$)
Caffeine (M.W. 165.2)



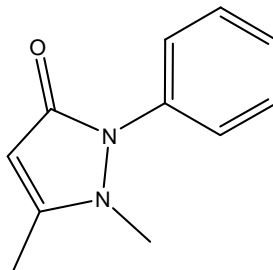
3. スルピリン (50 $\mu\text{g/mL}$)
Sulpirine (M.W. 333.3)



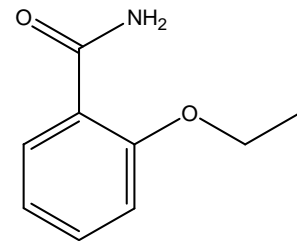
4. アセトアミノフェン (50 $\mu\text{g/mL}$)
Acetaminophen (M.W. 151.2)



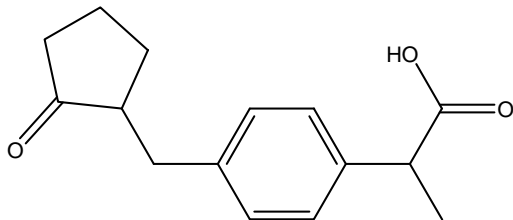
5. アセトアニリド (20 $\mu\text{g/mL}$)
Acetanilide (M.W. 135.2)



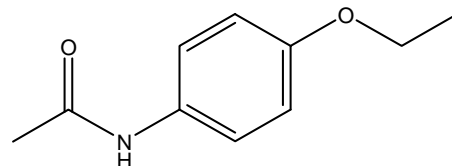
6. アンチピリン (25 $\mu\text{g/mL}$)
Antipyrine (M.W. 188.2)



8. エトキシベンズアミド (50 $\mu\text{g/mL}$)
o-Ethoxybenzamide (M.W. 194.2)



7. ロキソプロフェン (20 $\mu\text{g/mL}$)
Loxoprofen (M.W. 246.3)



9. フェナセチン (25 $\mu\text{g/mL}$)
Phenacetin (M.W. 179.2)