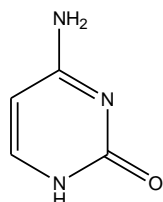


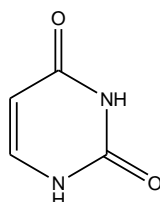
核酸塩基及びヌクレオシド

Nucleobases and nucleosides

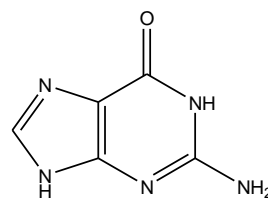
核酸塩基及びヌクレオシドは非常に極性の高い化合物です。CAPCELL PAK ADME-HR S3 (2.1 mm i.d. x 150 mm) を用いて7種を分析した例を示します。



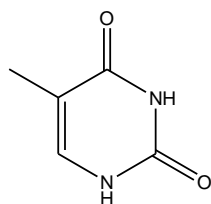
1. シトシン (10 $\mu\text{g/mL}$)
Cytosine (M.W. 111.1)



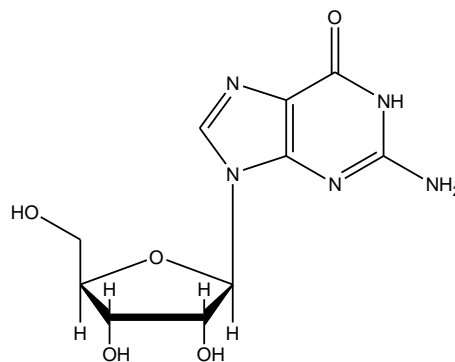
2. ウラシル (10 $\mu\text{g/mL}$)
Uracil (M.W. 112.1)



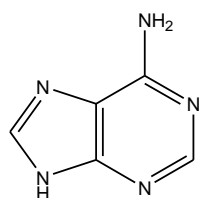
3. グアニン (10 $\mu\text{g/mL}$)
Guanine (M.W. 151.1)



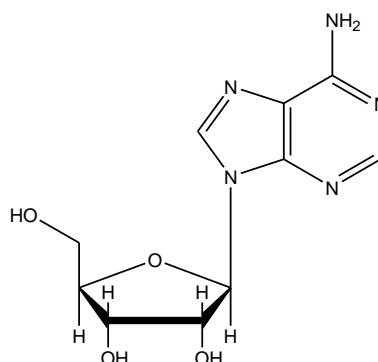
4. チミン (10 $\mu\text{g/mL}$)
Thymine (M.W. 126.1)



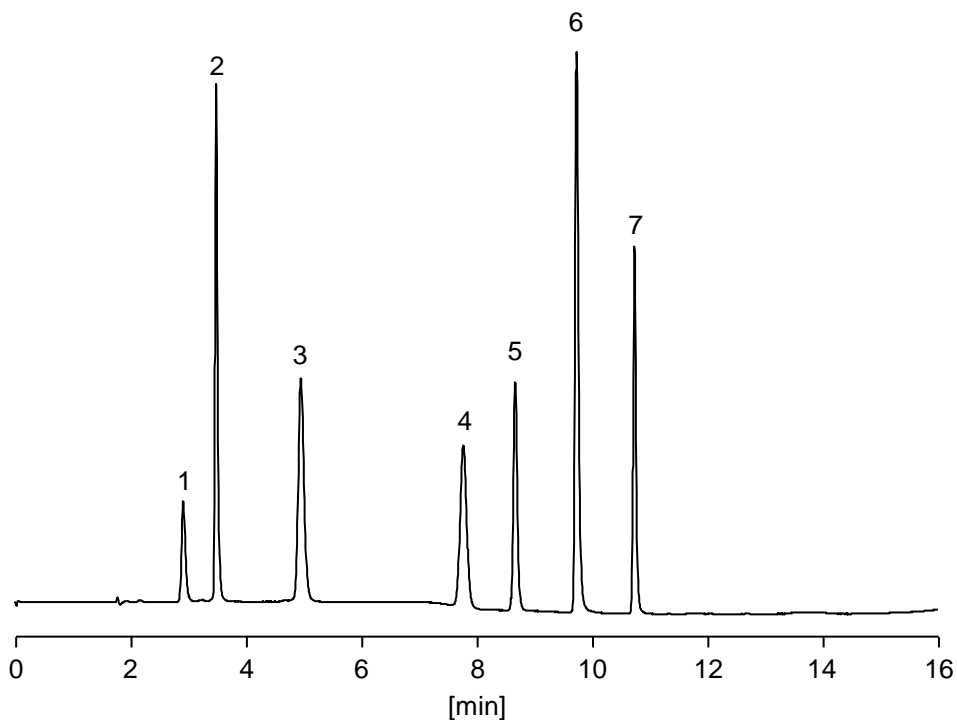
5. グアノシン (10 $\mu\text{g/mL}$)
Guanosine (M.W. 283.2)



6. アデニン (10 $\mu\text{g/mL}$)
Adenine (M.W. 135.1)



7. アデノシン (10 $\mu\text{g/mL}$)
Adenosine (M.W. 267.2)



【HPLC Conditions】

Column : CAPCELL PAK ADME-HR S3 ; 2.1 mm i.d. x 150 mm
 Mobile phase : A) 10 mmol/L HCOONH₄, B) CH₃CN
 B 1 % (0 min) -> 1 % (1 min) -> 40 % (15 min) -> 1% (15.1 min)
 Gradient
 Flow rate : 200 μL/min
 Temperature : 40 °C
 Detection : UV 254 nm
 Inj. vol. : 2 μL
 Sample dissolved in : H₂O
 ※ 1 μg/mL = 1 ppm