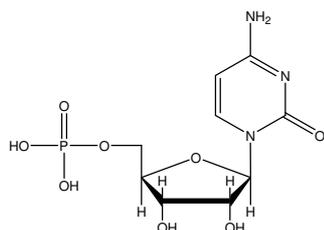


## 核酸関連化合物

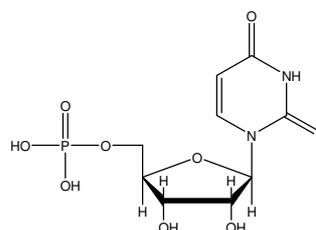
## Nucleic acids related compounds

ヌクレオチド7種にヒポキサンチン及びイノシンを加えた9種の核酸関連化合物を、水系100%条件でも使用可能なCAPCELL PAK ADME-HR-H S3 (4.6 mm i.d. x 250 mm)で一斉分析した例を示します。

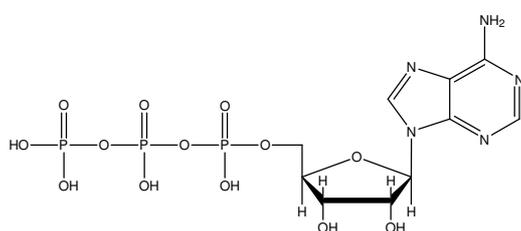
本カラムは耐圧50 MPaの仕様であるため、圧力が上昇しやすい低温条件や水/メタノール系移動相においても安定して使用できます。



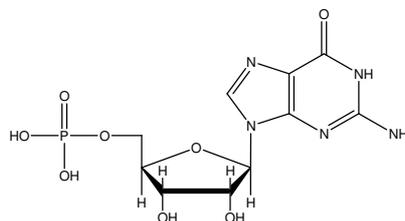
1. CMP (100 µg/mL)  
Cytidine monophosphate (M.W. 323.2)



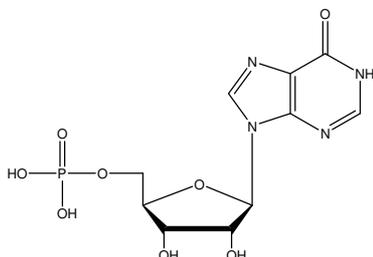
2. UMP (100 µg/mL)  
Uridine monophosphate (M.W. 324.2)



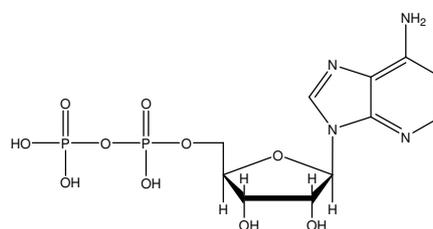
3. ATP (100 µg/mL)  
Adenosine triphosphate (M.W. 507.2)



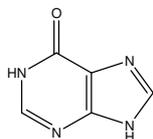
4. GMP (100 µg/mL)  
Guanosine monophosphate (M.W. 363.2)



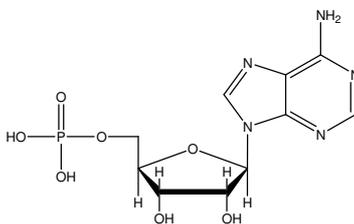
5. IMP (100 µg/mL)  
Inosine monophosphate (M.W. 348.2)



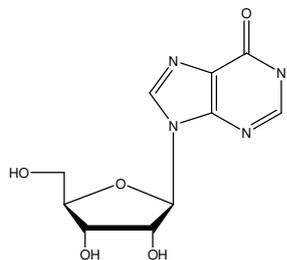
6. ADP (100 µg/mL)  
Adenosine diphosphate (M.W. 427.2)



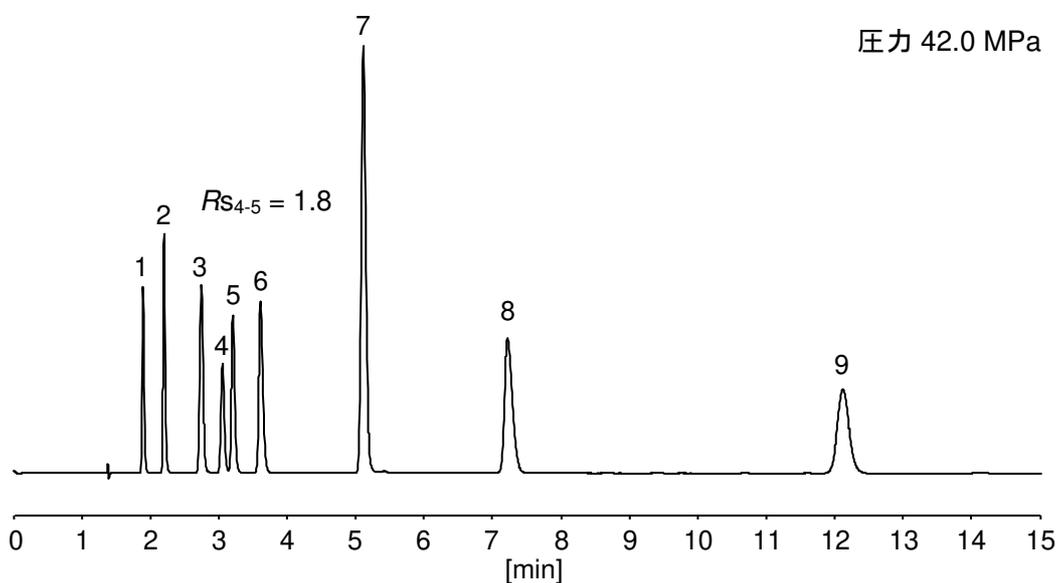
7. ヒポキサンチン (100 µg/mL)  
Hypoxanthine (M.W. 136.1)



8. AMP (100 µg/mL)  
Adenosine monophosphate (M.W. 347.2)



9. イノシン (100 µg/mL)  
Inosine (M.W. 268.2)



**【HPLC Conditions】**

Column : CAPCELL PAK ADME-HR-H S3 ; 4.6 mm i.d. x 250 mm  
 Mobile phase : 100 mmol/L NaH<sub>2</sub>PO<sub>4</sub>  
 Flow rate : 2 mL/min  
 Temperature : 35 °C  
 Detection : UV 254 nm  
 Inj. vol. : 5 µL  
 Sample dissolved in : H<sub>2</sub>O  
 ※ 1 µg/mL = 1 ppm