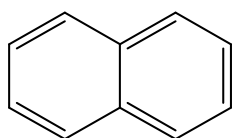


## 核酸塩基

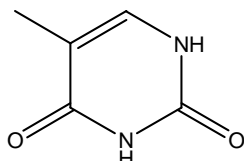
## Nucleic acid bases

核酸塩基は、C<sub>18</sub> カラムでは保持することができませんが、PC HILIC は核酸塩基を十分に保持し、分離することができます。

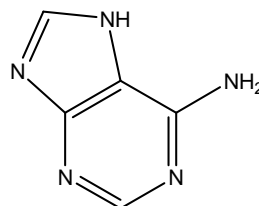
Nucleic acid bases are generally difficult to retain in a C<sub>18</sub> column. PC HILIC is suitable for analyzing them, showing an adequate retention for the polar compounds.



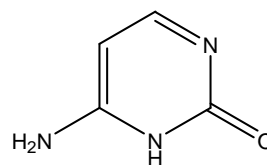
1. ナフタレン (100 µg/mL)  
Naphthalene (M.W. 128.2)



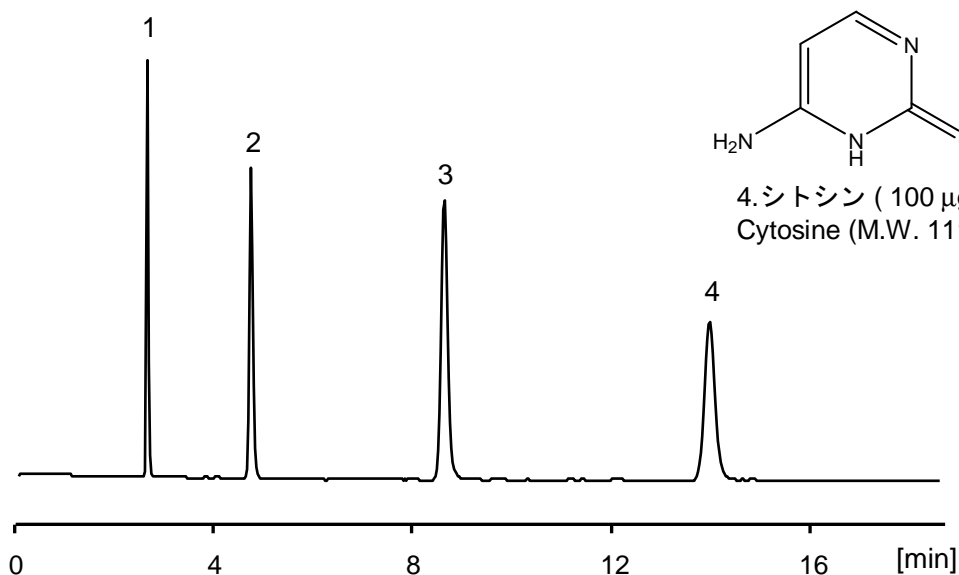
2. チミン (50 µg/mL)  
Thymine (M.W. 126.1)



3. アデニン (50 µg/mL)  
Adenine (M.W. 135.1)



4. シトシン (100 µg/mL)  
Cytosine (M.W. 111.1)



### 【HPLC Conditions】

Column	: PC HILIC S5 ; 4.6 mm i.d. x 250 mm
Mobile phase	: Ammonium formate was added to a solution ( H <sub>2</sub> O / CH <sub>3</sub> CN = 10 / 90) at 10 mmol/L
Flow rate	: 1 mL/min
Temperature	: 40 °C
Detection	: UV 254 nm
Inj. vol.	: 10 µL
Sample dissolved in	: Mobile phase
	※ 1 µg/mL = 1 ppm