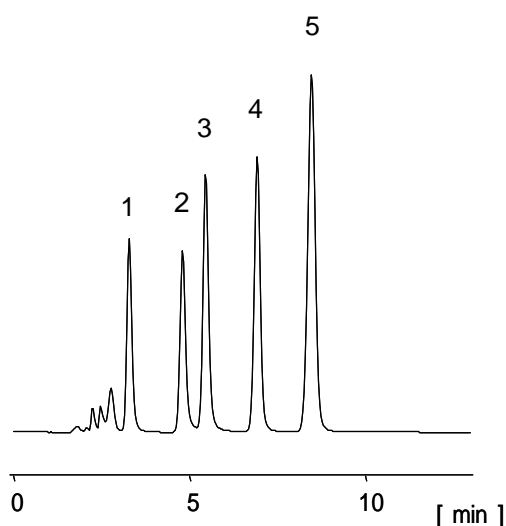


## 水溶性ビタミン

## Hydrophilic vitamins



1. リボフラビン (20  $\mu\text{g/mL}$ )  
Riboflavin (M.W. 376.4)  
(syn. Vitamin B<sub>6</sub>)
2. アスコルビン酸 (100  $\mu\text{g/mL}$ )  
Ascorbic acid (M.W. 176.1)  
(syn. Vitamin C)
3. ニコチン酸 (20  $\mu\text{g/mL}$ )  
Nicotinic acid (M.W. 123.1)
4. ニコチンアミド (20  $\mu\text{g/mL}$ )  
Nicotinamide (M.W. 122.1)
5. ビリドキシン (40  $\mu\text{g/mL}$ )  
Pyridoxine (M.W. 169.1)  
(syn. Vitamin B<sub>6</sub>)

## 【HPLC Conditions】

Column : CAPCELL PAK NH<sub>2</sub> UG80 S5 ; 2.0 mm i.d. x 250 mm  
Mobile phase : 25 mmol/L KH<sub>2</sub>PO<sub>4</sub> (adjusted at pH 1.5 with phosphoric acid) / CH<sub>3</sub>CN = 20 / 80  
Flow rate : 200  $\mu\text{L/min}$   
Temperature : 40 °C  
Detection : UV 210 nm  
Inj. vol. : 2  $\mu\text{L}$   
Sample dissolved in : Riboflavin was first dissolved in 100 mmol/L NaOH, and then, diluted to 20  $\mu\text{g/mL}$  with the mobile phase. Other compounds were dissolved at corresponding concentrations in the mobile phase.

1  $\mu\text{g/mL}$  = 1 ppm