



1. リボフラビン (20 $\mu\text{g/mL}$)
Riboflavin (M.W. 376.4)
(syn. Vitamin B₆)
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. ピリドキシン (40 $\mu\text{g/mL}$)
Pyridoxine (M.W. 169.1)
(syn. Vitamin B₆)

【HPLC Conditions】

Column : CAPCELL PAK NH₂ UG80 S5 ; 2.0 mm i.d. x 250 mm
Mobile phase : 25 mmol/L KH₂PO₄ (adjusted at pH 1.5 with phosphoric acid) / CH₃CN = 20 / 80
Flow rate : 200 $\mu\text{L/min}$
Temperature : 40 °C
Detection : UV 210 nm
Inj. vol. : 2 μL
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