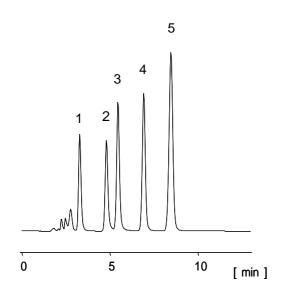
水溶性ビタミン

Hydrophilic vitamins



- 1. リボフラビン (20 μg/mL) Riboflavin (M.W. 376.4) (syn. Vitamin Β₆)
- アスコルピン酸 (100 μg/mL) Ascorbic acid (M.W. 176.1) (syn. Vitamin C)
- ニコチン酸 (20 μg/mL)
 Nicotinic acid (M.W. 123.1)
- 4. ニコチンアミド (20 μg/mL) Nicotinamide (M.W. 122.1)
- 5. ピリドキシン (40 μg/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) /

 $CH_3CN = 20 / 80$

 $\begin{array}{lll} \text{Flow rate} & : & 200 \; \mu\text{L/min} \\ \text{Temperature} & : & 40 \; ^{\circ}\text{C} \\ \text{Detection} & : & \text{UV 210 nm} \end{array}$

Inj. vol. : $2 \mu L$

Sample dissolved in : Riboflavin was first dissolved in 100 mmol/L NaOH, and then,

diluted to 20 $\mu g/mL$ with the mobile phase. Other compounds were dissolved at corresponding concentrations in the mobile

phase.

 $1 \mu g/mL = 1 ppm$