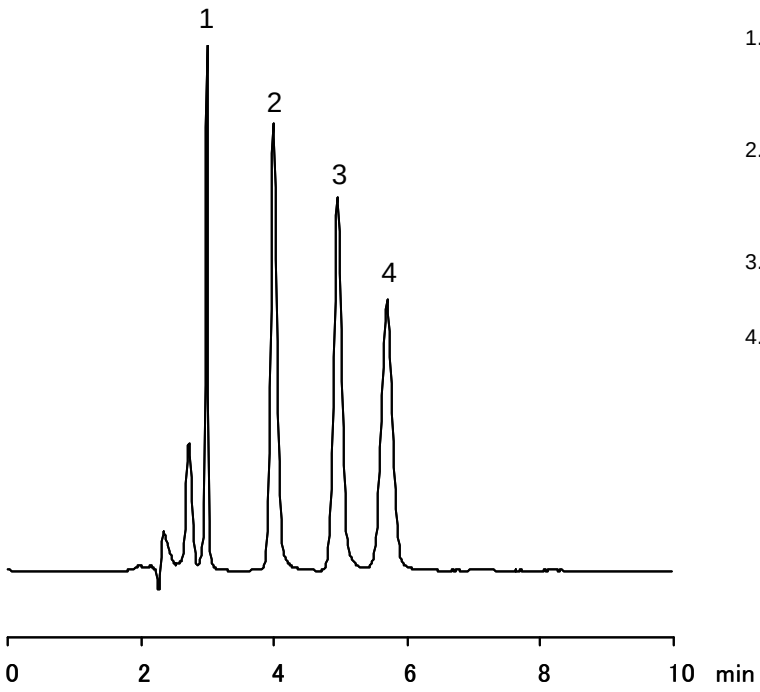
水溶性ビタミン　Hydrophilic vitamins



1. **ヘスペリジン** (25 μg/mL)
   Hesperidin (M.W. 624.6)
   (syn. Vitamin P)
2. **ピリドキシン** (25 μg/mL)
   Pyridoxine (M.W. 169.2)
   (syn. Vitamin B_6)
3. **パントテン酸** (200 μg/mL)
   Pantothenic acid (M.W. 218.2)
4. **シアノコバラミン** (25 μg/mL)
   Cyanocobalamin (M.W. 1355.4)
   (syn. Vitamin B_{12})

【HPLC Conditions】

Column	:	CAPCELL PAK NH_2 UG80 S5 ; 2.0 mm i.d. x 250 mm
Mobile phase	:	30 mmol/L KH_2PO_4 / CH_3CN = 30 / 70
Flow rate	:	200 μL/min
Temperature	:	40 ˚C
Detection	:	UV 210 nm
Inj. vol.	:	2 μL
Sample dissolved in	:	Hesperidin and cyanocobalamin were separately dissolved in the mobile phase at 250 μg/mL. Pyridoxine hydrochloride and sodium pantothenate were separately dissolved in methanol at 250 and 2000 μg/mL, respectively. 100 μL of the four solution were mixed together. Methanol was added to the mixture to make it 1 mL. ※ 1 μg/mL = 1 ppm