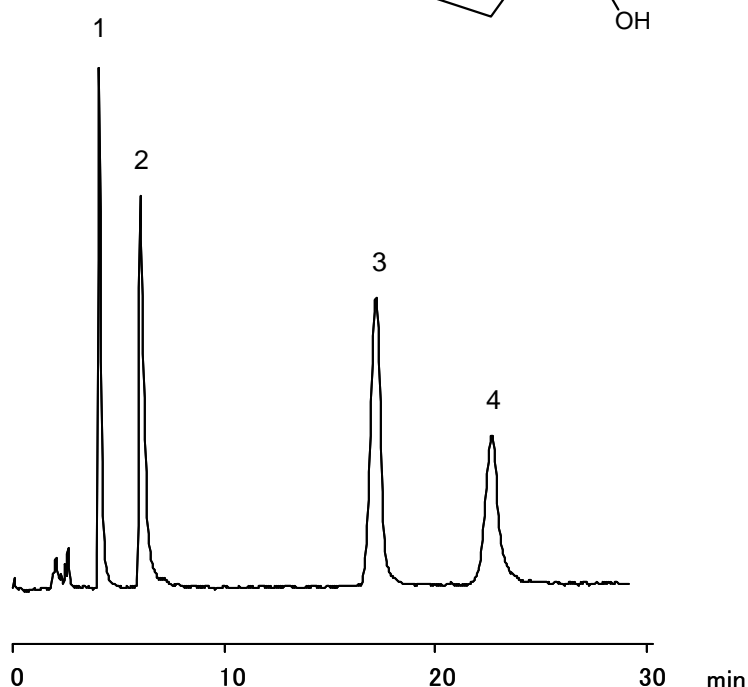
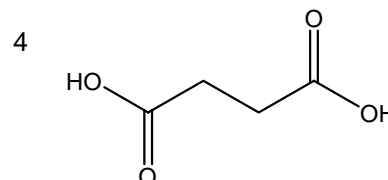
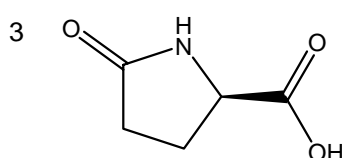
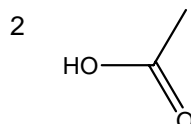
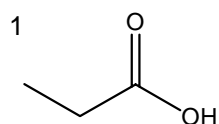


有機酸

Organic acids



1. プロピオン酸 (600  $\mu\text{g/mL}$ )  
Propionic acid (M.W. 74.1)
2. 酢酸 (800  $\mu\text{g/mL}$ )  
Acetic acid (M.W. 60.1)
3. D-ピログルタミン酸 (50  $\mu\text{g/mL}$ )  
D-Pyroglutamic acid (M.W. 129.1)
4. コハク酸 (600  $\mu\text{g/mL}$ )  
Succinic acid (M.W. 118.1)

【HPLC Conditions】

- Column : CAPCELL PAK NH<sub>2</sub> UG80 S5 ; 2.0 mm i.d. x 250 mm
- Mobile phase : 15 mmol/L KH<sub>2</sub>PO<sub>4</sub> (adjusted at pH 4 with phosphoric acid) / CH<sub>3</sub>CN = 30 / 70
- Flow Rate : 200  $\mu\text{L/min}$
- Temperature : 40 °C
- Detection : UV 210 nm
- Inj. vol. : 5  $\mu\text{L}$
- Sample dissolved in : Propionic acid, succinic acid, acetic acid, and pyroglutamic acid were separately dissolved in the mobile phase at concentrations of 6, 6, 8, and 0.5 mg/mL, respectively. 100  $\mu\text{L}$  of all the four solutions and 600  $\mu\text{L}$  of the mobile phase were added together to make a 1-mL solution.
- ※ 1  $\mu\text{g/mL}$  = 1 ppm