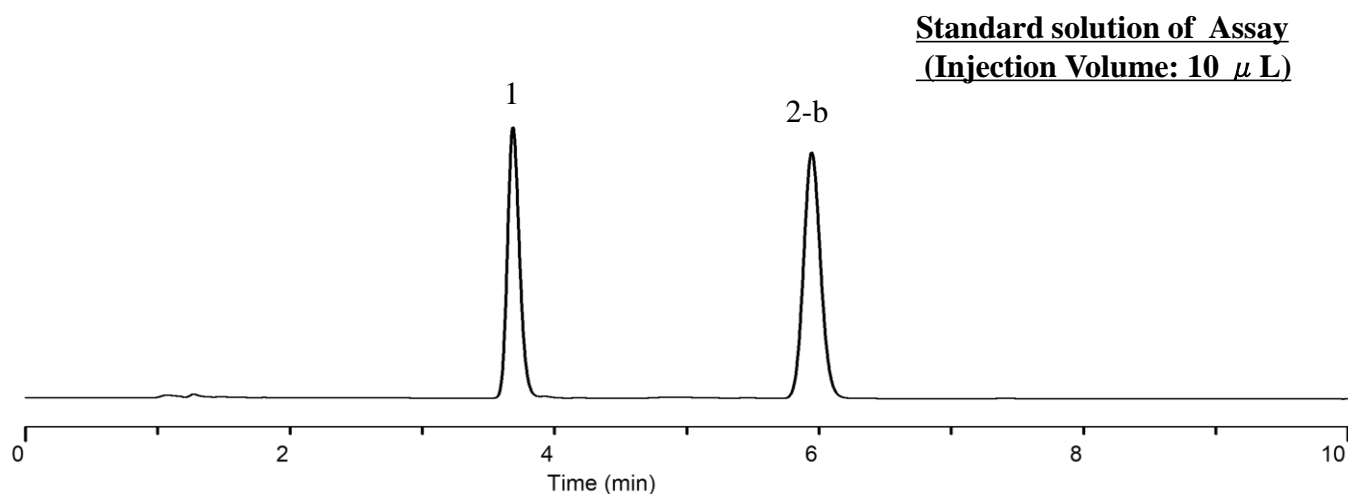
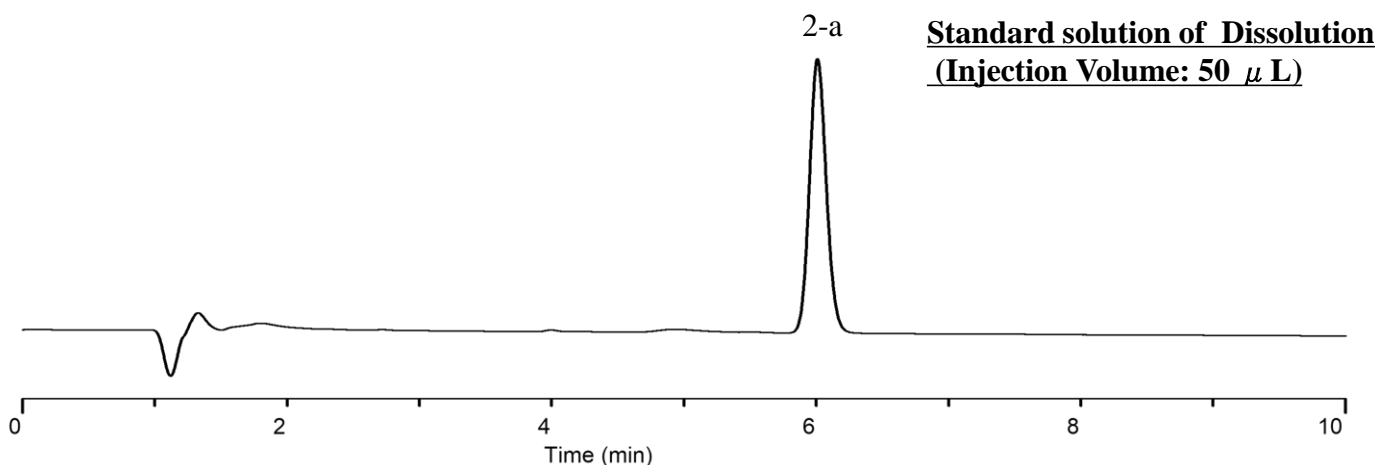


Analysis of Sodium Valproate

(Under the Condition of the draft for the Japanese Pharmacopoeia,
Sodium Valproate Extended-release Tablets A)



Conditions

System : GL7700 HPLC system
Column : InertSustain C18 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-07345
Eluent : A) CH₃CN
 B) 50 mM NaH₂PO₄ (pH 3.0, H₃PO₄)
 A/B = 50/50, v/v
Flow rate : 1.0 mL/min
Col. Temp. : 25 °C
Detection : UV 210 nm (UV7750 UV Detector)
Sample : Standard

Analyte:

1. Ethyl *p*-hydroxybenzoate 4 mg/L
 2. Valproic acid
 112 mg/L (2-a) or 800 mg/L (2-b)

Theoretical plates (2-a) : 10,666 ($\geq 3,000$)

Symmetry factor (2-a) : 1.10 (≤ 2.0)

RSD of the peak area of

2-a (%) (n=6) : 0.19 (≤ 1.5)

Resolution (1, 2-b) : 11.1 (≥ 7)

RSD of the relative peak area of

2-b to 1 (%) (n=6) : 0.15 (≤ 1.0)