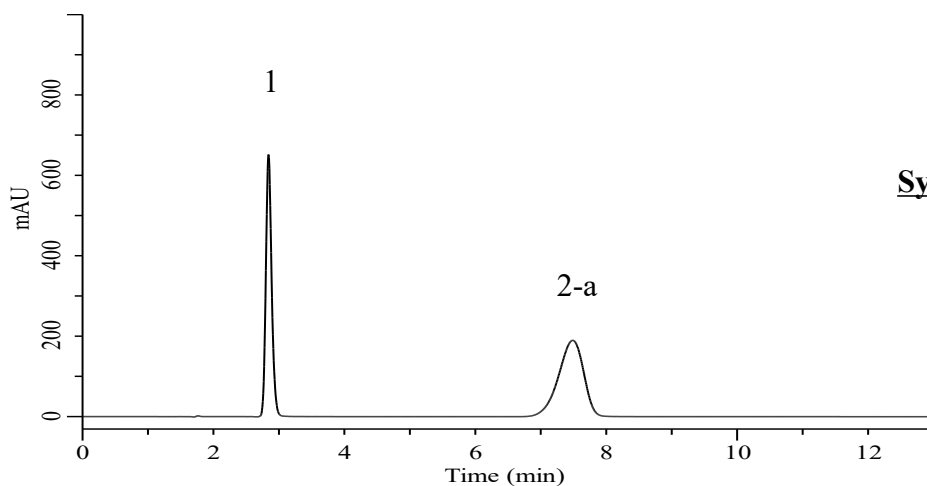
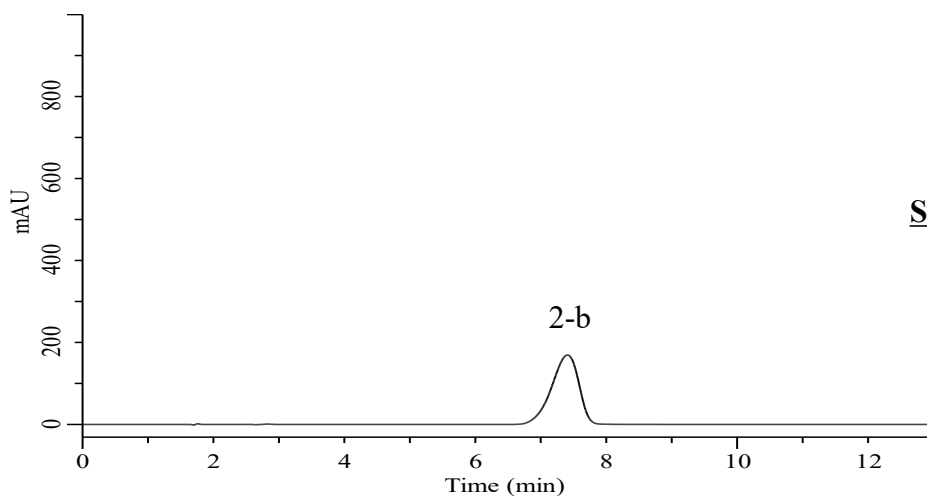


Analysis of Acyclovir

(Under the Condition of draft for USP, Acyclovir for Injection, ASSAY)



System suitability solution



Standard solution

Conditions

System : Primaide (HITACHI)
Column : Inertsil WP300 C18 (GL Sciences Inc.)
 (10 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-90662
Eluent : 20 mM CH₃COOH in H₂O
Flow Rate : 1.8 mL/min
Col. Temp. : 40 °C
Detection : UV 254 nm (1435 DAD)
Injection Vol. : 20 μ L
Sample : Standard in 0.1 N sodium hydroxide

Analyte:

1. Guanine	0.1 mg/mL
2-a. Acyclovir	0.1 mg/mL
2-b. Acyclovir	0.1 mg/mL

Relative retention times

1. Guanine	: 0.37
2-a. Acyclovir	: 1.0

Resolution (1,2-a) : 10.8 (≥ 2.0)

Tailing factor (2-b) : 0.83 (≤ 2.0)

RSD of
 the peak area of 2-b (%) (n=6) : 0.50 (≤ 1.0)