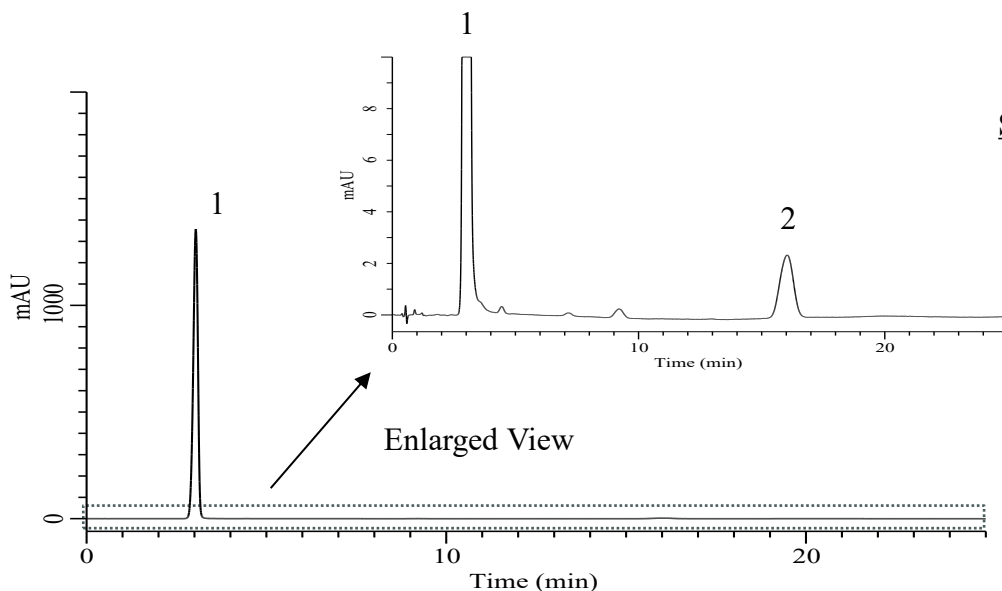
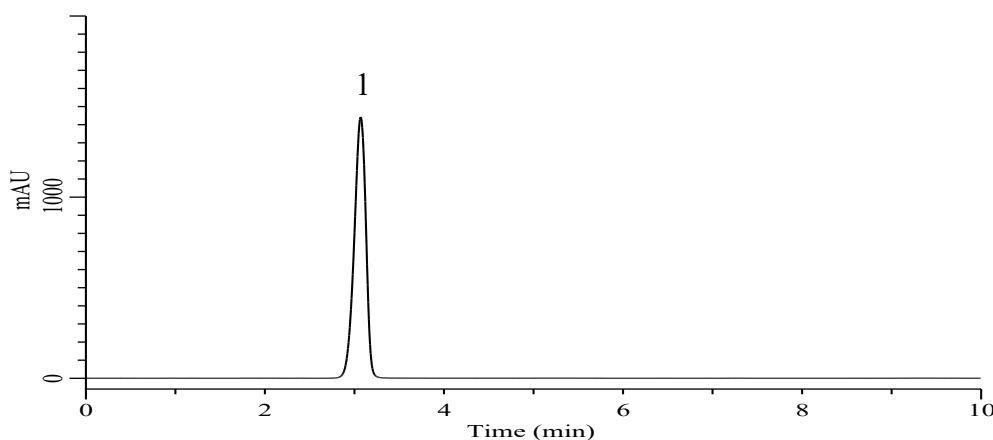


Analysis of Acyclovir



System performance

- 1. Acyclovir 1 mg /mL
- 2. Guanine 5 μ g/mL



Standard solution

- 1. Acyclovir 1 mg/mL

Conditions

System : Chromaster PLUS HPLC system (HITACHI)
Column : InertSustainSwift C18 (GL Sciences Inc.)
 (HP 3 μ m, 100 x 3.0 mm I.D.)
Column Cat. No. : 5020-88218
Eluent : CH₃CN/Solution* = 40/1000 ,v/v
Flow Rate : 1.1 mL/min
Col. Temp. : 20 °C
Detection : UV 254 nm (5430 DAD)
Injection Vol. : 4 μ L
Sample : Standard

Analyte:

- 1. Acyclovir
- 2. Guanine

Resolution : 20.37 (≥ 17)

RSD of the peak area
of 1 (%) (n=6) : 0.03 (≤ 1.0)

*: Dissolve 1.0 g of sodium 1-decanesulfonate and 6.0 g of sodium dihydrogen phosphate dihydrate in 1000 mL of water, and adjust the pH to 3.0 with phosphoric acid.