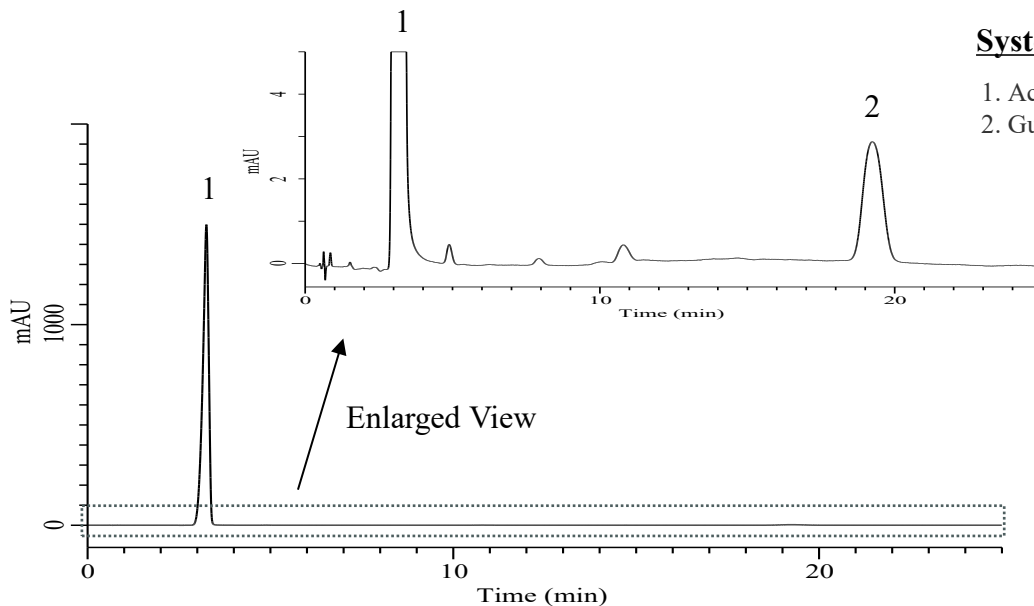


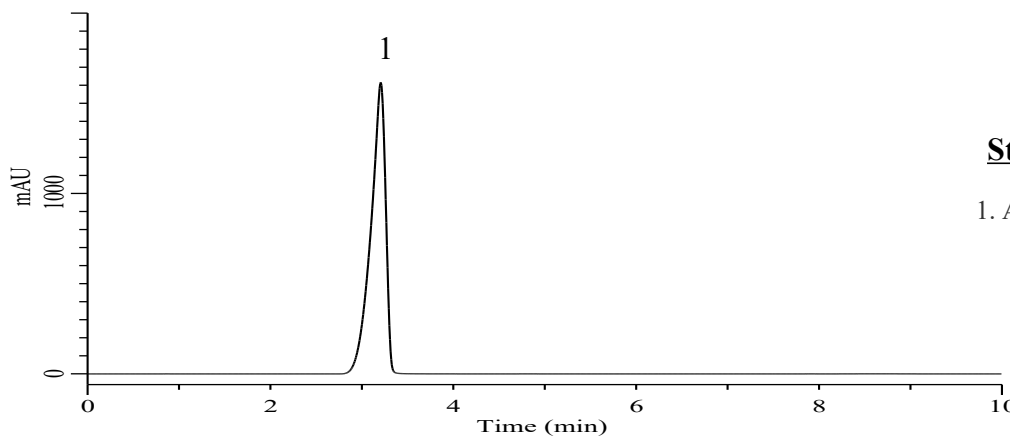
# Analysis of Acyclovir

(Under the Condition of the Japanese Pharmacopoeia 18<sup>th</sup>, Acyclovir, ASSAY)



### System performance

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



### Standard solution

- 1. Acyclovir 1 mg/mL

### Conditions

- System** : Chromaster PLUS HPLC system (HITACHI)
- Column** : Inertsil WP300 C18 (GL Sciences Inc.)  
(HP 3 μ m, 100 x 4.6 mm I.D.)
- Column Cat. No.** : 5020-
- Eluent** : CH<sub>3</sub>CN/Solution\* = 40/1000 ,v/v
- Flow Rate** : 2.0 mL/min
- Col. Temp.** : 20 °C
- Detection** : UV 254 nm (5430 DAD)
- Injection Vol.** : 10 μ L
- Sample** : Standard

### Analyte:

- 1. Acyclovir
- 2. Guanine

Resolution : 20.77 (≥ 17)

RSD of the peak area of 1 (%) (n=6) : 0.05 (≤ 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.