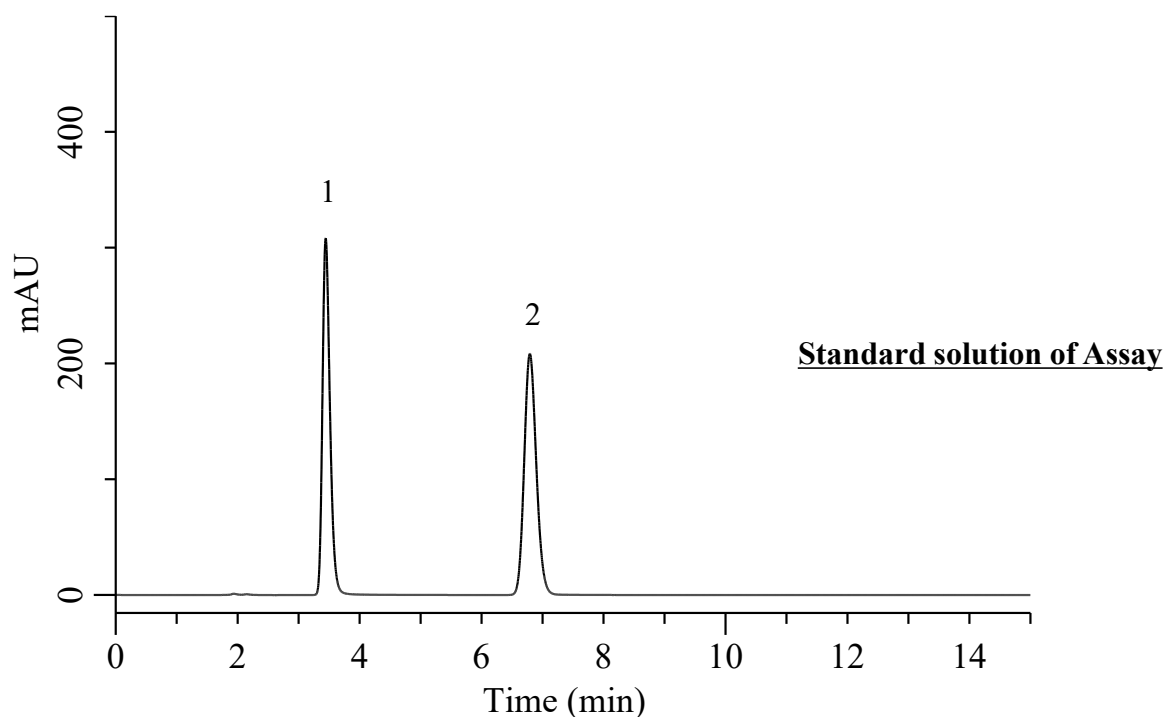


Analysis of Acyclovir

(Under the Condition of the Japanese Pharmacopoeia 18th, Acyclovir Syrup)



Conditions

System : Chromaster PLUS HPLC system (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-07346
Eluent : CH₃OH/Solution*=5/95 ,v/v
Flow Rate : 0.78 mL/min
Col. Temp. : 25 °C
Detection : UV 254 nm
Injection Vol. : 20 μ L
Sample : Standard

Analyte:
 1. Nicotinic acid 0.05 mg /mL
 2. Acyclovir 0.032 mg/mL

Resolution : 11.7 ($\geq$ 3)

RSD of the peak area ratio of 2 to 1 (%) (n=6) : 0.03 ($\leq$ 1.0)

*: To 1.45 g of phosphoric acid and 25 mL of dilute acetic acid add water to make 900 mL. Adjust this solution to pH 2.5 with 1 mol/L sodium hydroxide, and add water to make 1000 mL.