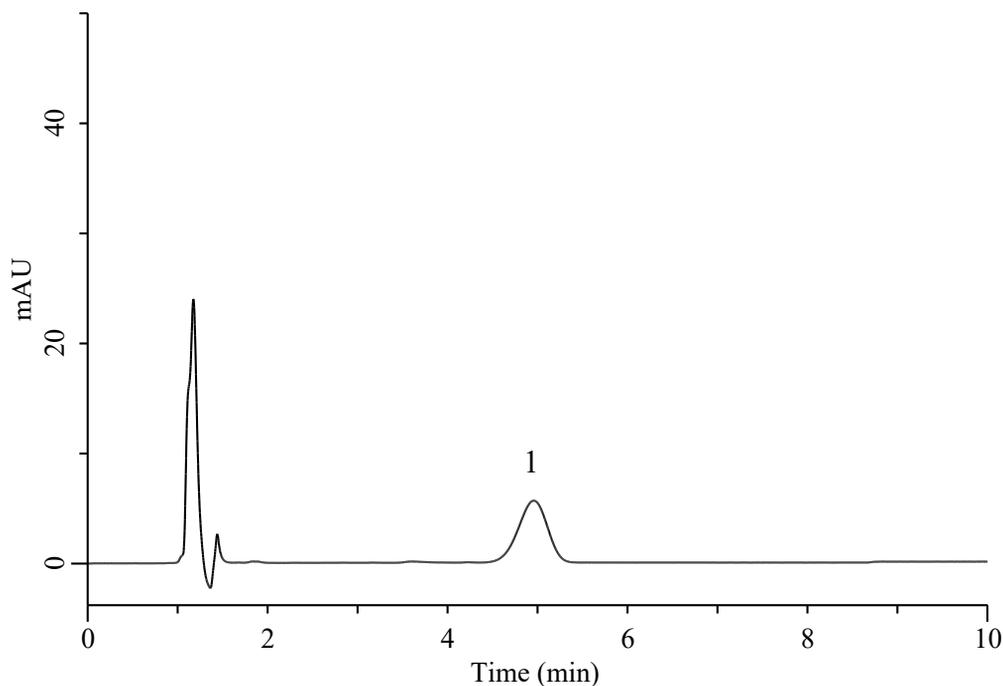


Analysis of Enalapril Maleate

(Under the Condition of Japanese Pharmacopoeia 18th, Enalapril Maleate Tablets, Dissolution)



Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain C8 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-16028
Eluent : CH₃CN/Solution* = 25/75, v/v
Flow Rate : 2.6 mL/min
Col. Temp. : 50 °C (Preheat volume : 15 μ L)
Detection : UV 215 nm (Chromaster 5420 UV-VIS)
Injection Vol. : 50 μ L
Sample : Standard in H₂O

Analyte:

1. Enalapril 2.8 μ g/mL
 Theoretical plates number : 1090 (\geq 300)
 Symmetry factor : 0.92 (\leq 2.0)
 RSD of the peak area (%)(n=6) : 0.77 (\leq 2.0)

*: Dissolve 1.88 g of sodium dihydrogen phosphate dihydrate in 900 mL of water, add phosphoric acid to adjust the pH to 2.2 and then add water to make 1000 mL.