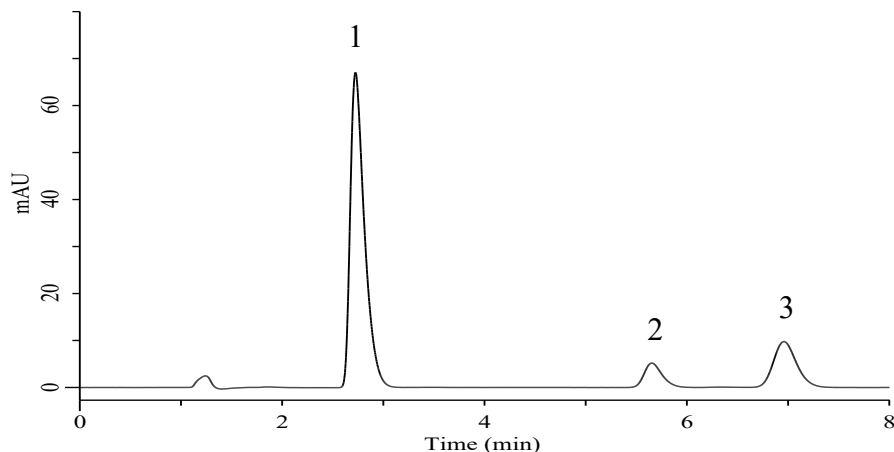
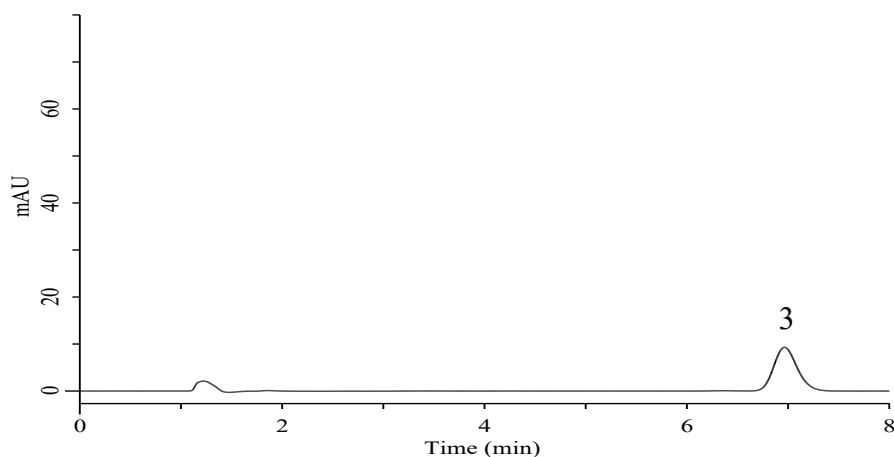


Analysis of Yohimbine Hydrochloride

(Under the Condition of USP41-NF36, Yohimbine Injection, ASSAY)



Resolution solution



Standard solution

Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 150 x 3.9 mm I.D.)
Column Cat. No. : 5020-90650
Eluent : Solution *
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 254 nm (Chromaster 5410 UV)
Injection Vol. : 25 μ L
Sample : Standard in Diluent**

Analyte:

1. Methylparaben 4.5 μ g/mL
 2. Propylparaben 0.48 μ g/mL
 3. Yohimbine 11 μ g/mL

Relative Retention time

Methylparaben 0.39
 Propylparaben 0.81
 Yohimbine 1.0

Resolution (1,2) : 10.2 (≥ 2)
 Resolution (2,3) : 3.54 (≥ 2)

* : water, acetonitrile, and glacial acetic acid (603:377:20)
 containing 3.5 g of sodium 1-decanesulfonate in each 1000 mL

**: acetonitrile, water, and glacial acetic acid (49:49:2)

RSD of
 the peak area of 3 (%) (n=6) : 0.18 (≤ 2.0)