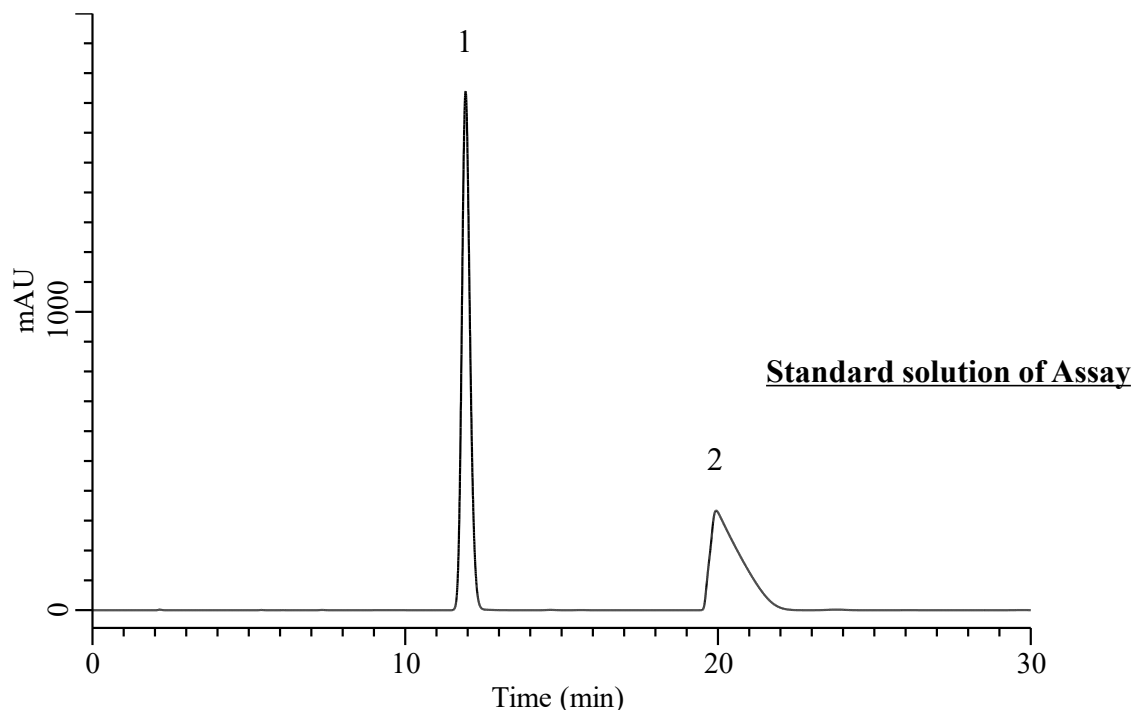


Analysis of Perospirone hydrochloride

(Under the Condition of the draft for Japanese Pharmacopoeia, Perospirone Hydrochloride Hydrate)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 150 x 6.0 mm I.D.)
Column Cat. No. : 5020-07355
Eluent : A) CH₃CN
 B) CH₃OH
 C) Buffer*
Flow Rate : A/B/C = 400/100/750, v/v/v
Col. Temp. : 1.0 mL/min
Detection : 25 °C
Injection Vol. : UV 220 nm
Sample : 10 μ L
 Standard

Analyte:

1. 4'-Methoxyacetophenone 0.72 mg/mL
 2. Perospirone hydrochloride 1.2 mg/mL

Resolution (1, 2) : 7.0 (≥ 4)

RSD of the peak area
 ratio of 2 to 1 (%) (n=6) : 0.08 (≤ 1.0)

*Dissolve 1.0 g of sodium 1-heptanesulfonate in 950 mL of water, add phosphoric acid to adjust pH to 2.5, and add water to make 1000 mL.