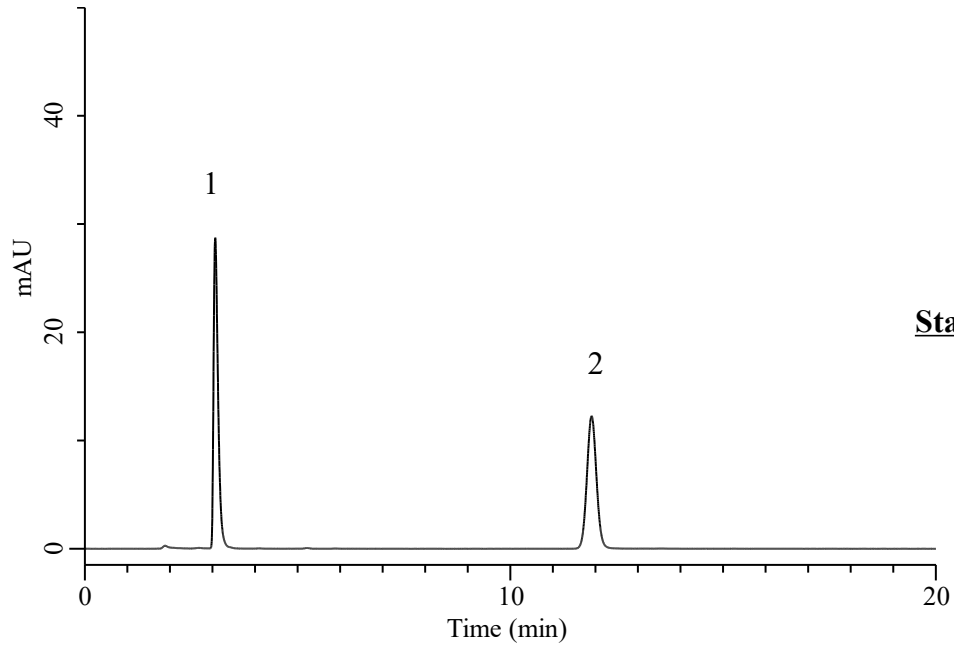
Analysis of Sertraline hydrochloride

(Under the Condition of draft for Japanese Pharmacopoeia, Sertraline Hydrochloride, Assay)



Standard solution

Conditions

System	:	Chromaster PLUS (HITACHI)
Column	:	Inertsil WP300 C18 (GL Sciences Inc.) (4 µm, 150 x 3.9 mm I.D.)
Column Cat. No.	:	5020-89606
Eluent	:	CH_3CN/CH_3OH/Buffer*=450/150/400, v/v/v
Flow Rate	:	0.8 mL/min
Col. Temp.	:	35 ℃
Detection	:	UV 254 nm (Chromaster 5420 UV-VIS)
Injection Vol.	:	20 µL
Sample	:	Standard in Eluent

Analyte:

1. Sertraline hydrochloride	55 µg/mL
2. Heptyl 4-Hydroxybenzoate (I.S.)	1 µg/mL

Resolution : 29.7 (≧ 3)

RSD of the peak area ratio 1 to 2 (%)(n=6) : 0.21 (≦ 1.0)

＊: Add water to 28.6 mL of acetic acid (100) and 34.8 mL of triethylamine to make a total volume of 100 mL. Add water to 10 mL of this solution to make a total volume of 1000 mL.