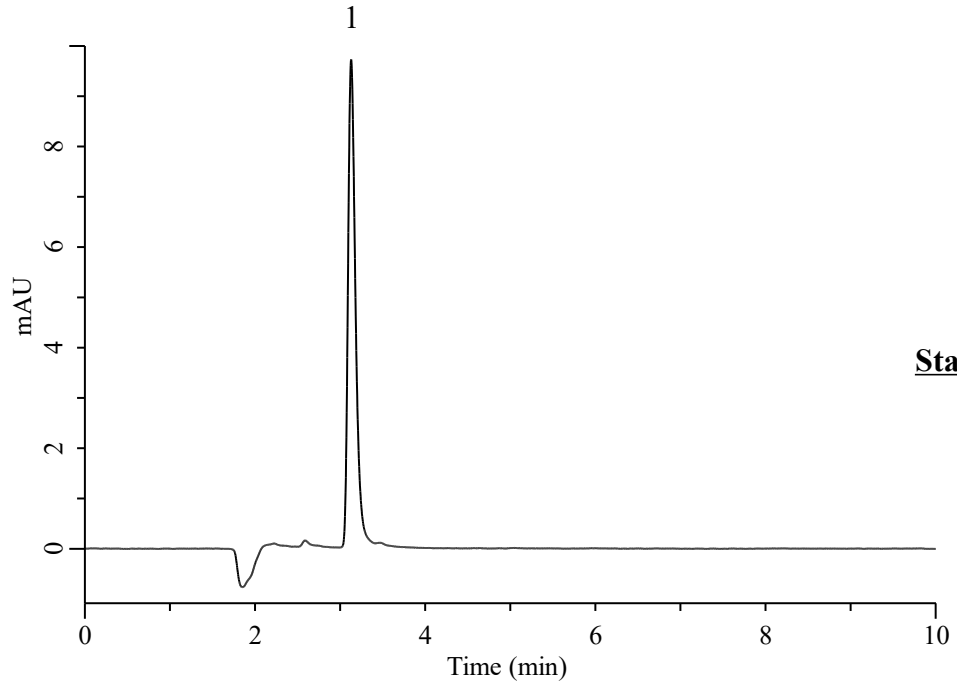
Analysis of Sertraline hydrochloride

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



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 Buffer**

Analyte:

1. Sertraline hydrochloride 33.6 µg/mL

Theoretical plates number : 6372 (≧ 2000)

Symmetry factor : 1.45 (≦2.0)

RSD of
the peak area (%)(n=6) : 0.27 (≦ 2.0)

* : 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.
** : To 3.0g of acetic acid (100) add water to make 1000 mL. Adjust to pH 4.0 with a solution prepared by dissolving 3.4 g of sodium acetate trihydrate in water to make 500 mL.