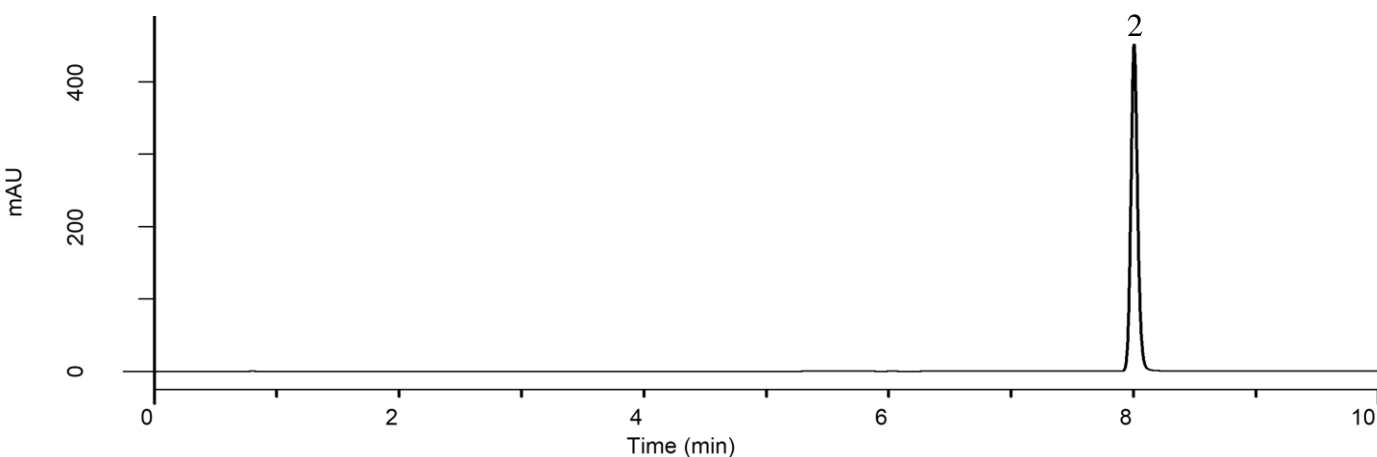


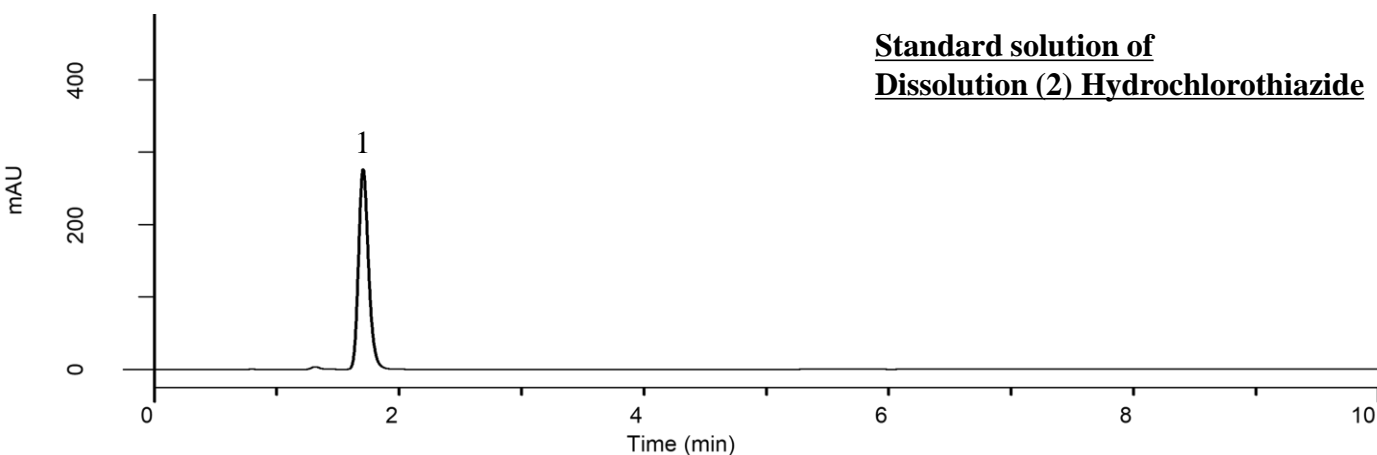
## Analysis of Telmisartan and Hydrochlorothiazide

(Under the Condition of the draft for the Japanese Pharmacopoeia,  
Telmisartan and Hydrochlorothiazide Tablets)

### Standard solution of Dissolution (1) Telmisartan



### Standard solution of Dissolution (2) Hydrochlorothiazide



### Conditions

**System** : GL7700 HPLC system  
**Column** : Inertsil C8-3 (5  $\mu$  m, 75 x 3.0 mm I.D.)  
**Column Cat. No.** : 5020-04923  
**Eluent** : A) CH<sub>3</sub>CN  
 B) 2 g/L NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> (pH 3.5, H<sub>3</sub>PO<sub>4</sub>)

Time(min)	A (vol%)	B (vol%)
0	10	90
2	10	90
7	80	20
8	80	20

**Flow rate** : 0.8 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 270 nm (UV7750 UV Detector)  
**Injection Vol.** : 25  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Hydrochlorothiazide 14 mg/L  
 2. Telmisartan 44 mg/L

Theoretical plates (2) : 104,347 ( $\geq$  25,000)  
 Symmetry factor (2) : 1.11 ( $\leq$  2.0)  
 RSD of the peak  
 area of 2 (%) (n=6) : 0.19 ( $\leq$  2.0)  
 Theoretical plates (1) : 2,175 ( $\geq$  1,000)  
 Symmetry factor (1) : 1.24 ( $\leq$  2.0)  
 RSD of the peak  
 area of 1 (%) (n=6) : 0.05 ( $\leq$  2.0)