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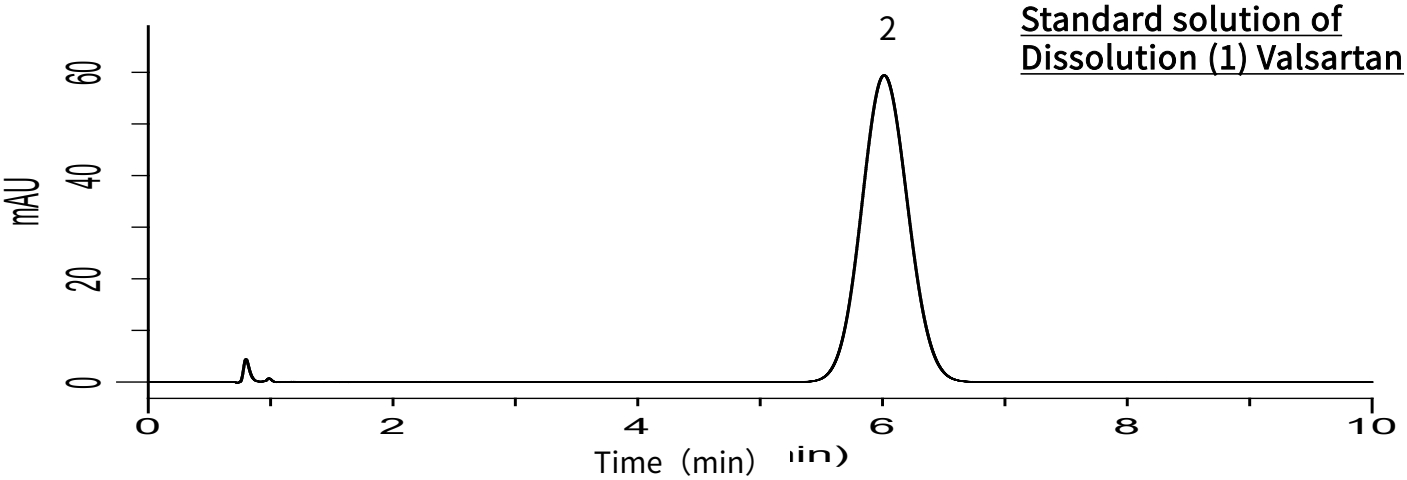
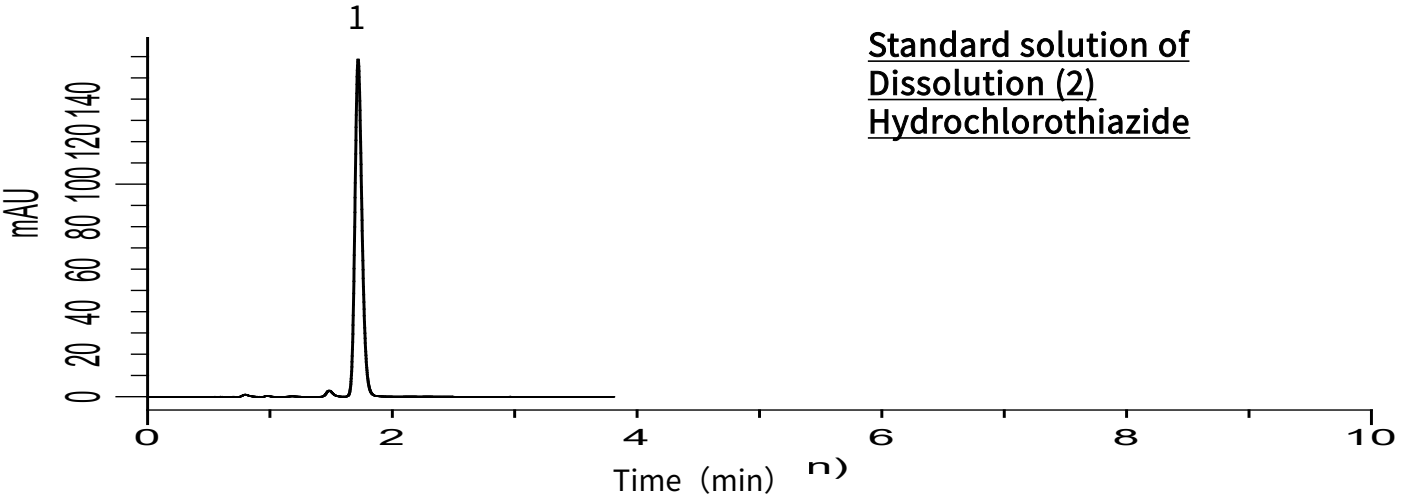
Analysis of Valsartan and Hydrochlorothiazide

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

Data No. LB519-0812



Standard solution of Dissolution (1) Valsartan



Standard solution of Dissolution (2) Hydrochlorothiazide

Conditions

System	: GL7700 HPLC system
Column	: InertSustainSwift C18 (5 µm, 125 x 3.0 mm I.D.)
Column Cat. No.	: 5020-88250
Eluent	: A) CH_3CN B) Buffer* A/B = 20/80, v/v
Flow rate	: 0.9 mL/min
Col. Temp.	: 25 °C
Detection	: UV 225 nm (UV7750 UV Detector)
Injection Vol.	: 10 µL
Sample	: Standard

*Dissolve 14.68 g of $Na_2HPO_4 \cdot 12H_2O$ and 3.81 g of KH_2PO_4 in 1000 mL of water.

Analyte:

1. Hydrochlorothiazide	7 mg/L
2. Valsartan	30 mg/L

Theoretical plates (2)	: 1,135 (≧ 500)
Symmetry factor (2)	: (0.7 ≦) 1.04 (≦ 1.5)
RSD of the peak area of 2 (%)(n=6)	: 0.06 (≦ 1.0)
Theoretical plates (1)	: 4,355 (≧ 3,000)
Symmetry factor (1)	: 1.17 (≦ 2.0)
RSD of the peak area of 1 (%)(n=6)	: 0.13 (≦ 1.0)

GL Sciences