

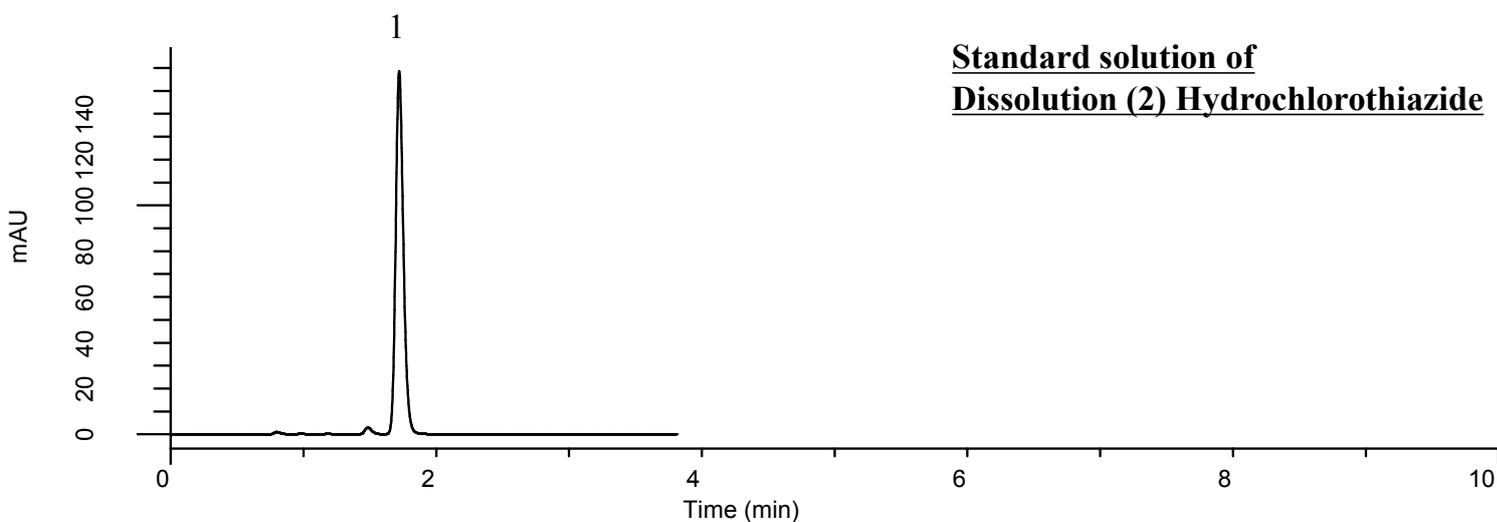
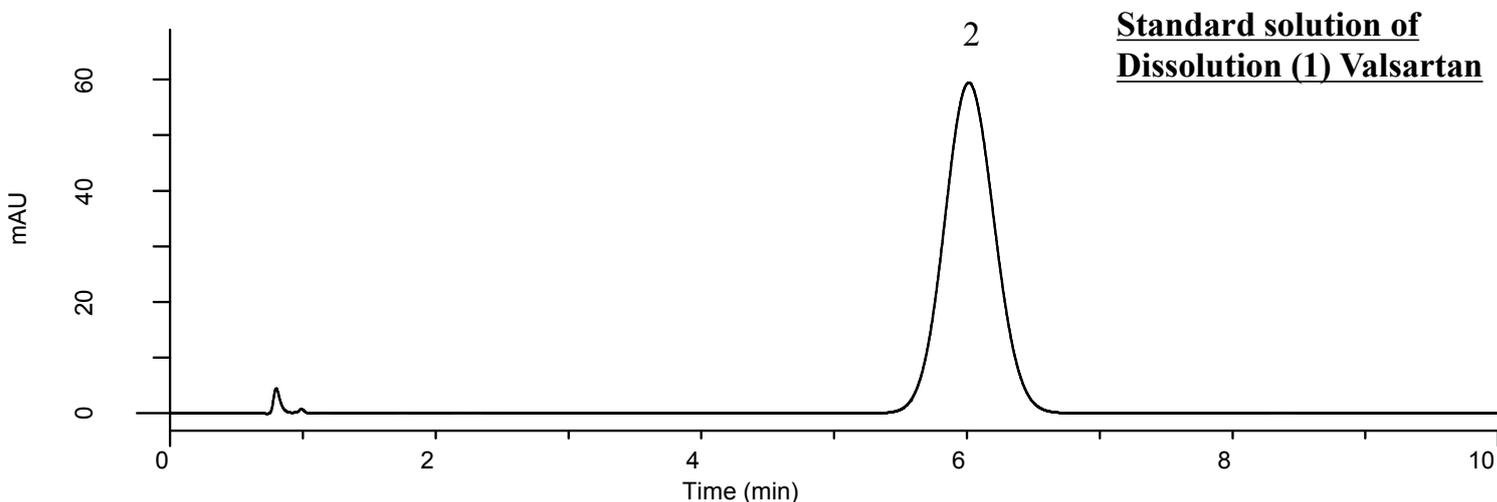
InertSearch™ for LC

Inertsil® Applications

Analysis of Valsartan and Hydrochlorothiazide

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

Data No. LB519-0812



Conditions

System : GL7700 HPLC system
Column : InertSustainSwift C18
(5 μ m, 125 x 3.0 mm I.D.)
Column Cat. No. : 5020-88250
Eluent : A) CH₃CN
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 μ L
Sample : Standard

*Dissolve 14.68 g of Na₂HPO₄ · 12H₂O and
3.81 g of KH₂PO₄ in 1000 mL of water.

Analyte:

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

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