

InertSearch™ for LC

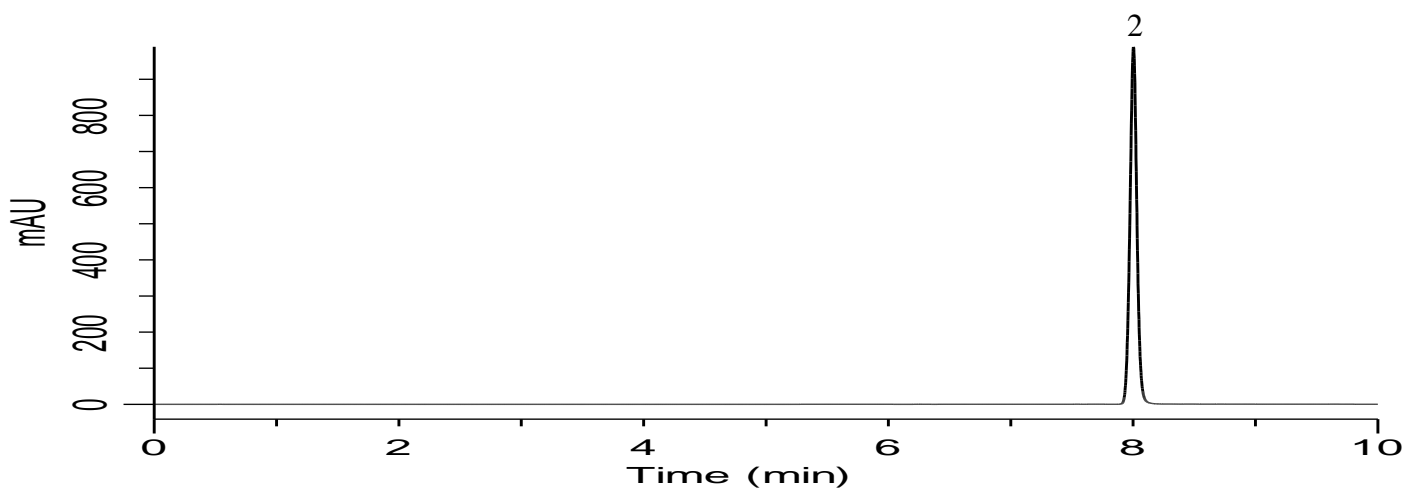
Inertsil™ Applications

Analysis of Telmisartan and Hydrochlorothiazide

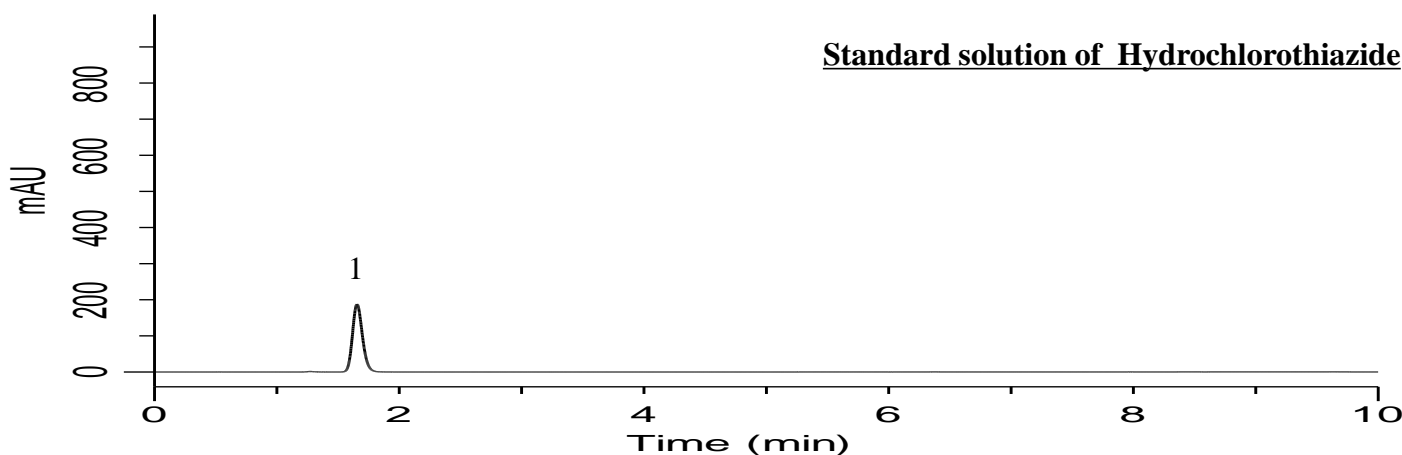
(Under the Condition of the Japanese Pharmacopoeia supplement II,
Telmisartan and Hydrochlorothiazide Tablets)

Data No. LB524-0812

Standard solution of Telmisartan



Standard solution of Hydrochlorothiazide



Conditions

System : GL7700 HPLC system
Column : Inertsil C8-3 (5 μ m, 75 x 3.0 mm I.D.)
Column Cat. No. : 5020-04923
Eluent : A) CH₃CN
B) 2 g/L NH₄H₂PO₄ (pH 3.5, H₃PO₄)

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. : 5 μ L
Sample : Standard

Analyte:

1. Hydrochlorothiazide 50 mg/L
2. Telmisartan 320 mg/L

Theoretical plates (2) : 98,756 (\geq 15,000)
Symmetry factor (2) : 1.04 (\leq 2.0)
RSD of the peak
area of 2 (%) (n=6) : 0.09 (\leq 1.0)

Theoretical plates (1) : 2,018 (\geq 1,500)
Symmetry factor (1) : 1.19 (\leq 2.0)
RSD of the peak
area of 1 (%) (n=6) : 0.10 (\leq 1.0)