

InertSearch™ for LC

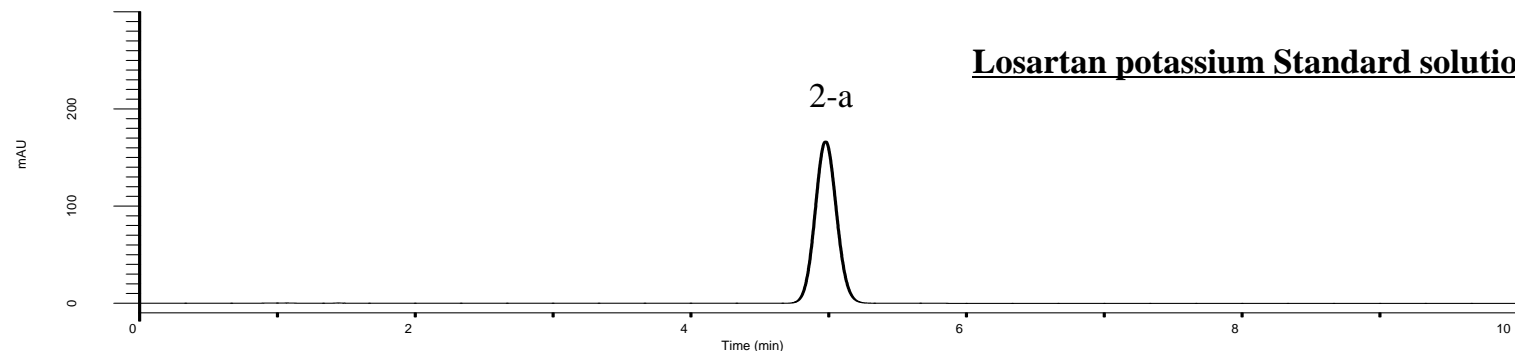
Inertsil® Applications

Analysis of Losartan potassium and Hydrochlorothiazide

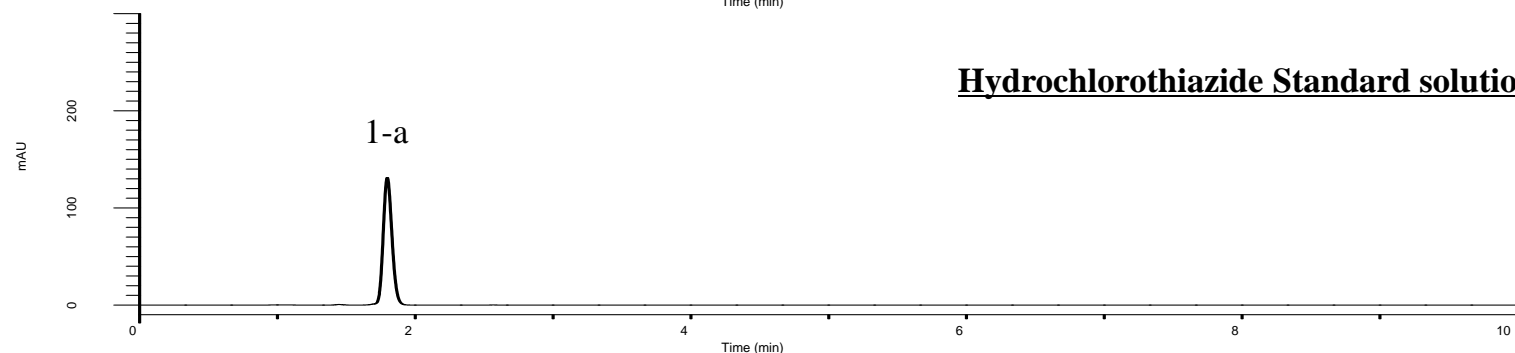
(Under the Condition of the Japanese Pharmacopoeia,
Losartan potassium and Hydrochlorothiazide Tablets)

Data No. LB264-0894

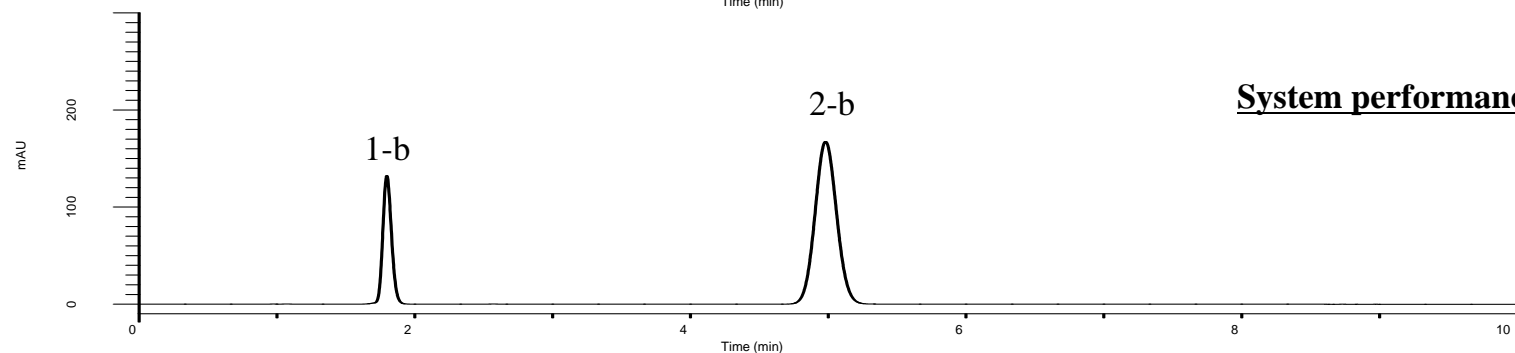
Losartan potassium Standard solution



Hydrochlorothiazide Standard solution



System performance



Conditions

System : GL7700 HPLC system
Column : Inertsil C8-3 (10 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-01642
Eluent : A) CH₃CN
B) 10mM KH₂PO₄ (pH 2.5, H₃PO₄)
A/B = 40/60, v/v
Flow rate : 2.25 mL/min
Col. Temp. : 35 °C
Detection : UV 230 nm (UV7750 UV Detecor)
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. Hydrochlorothiazide	14 mg/L
2. Losartan potassium	55 mg/L

Resolution (1-b, 2-b) : 15.7 (≥ 10)
RSD of the peak
area of 1-a (%) (n=6) : 0.07 (≤ 1.0)
RSD of the peak
area of 2-a (%) (n=6) : 0.04 (≤ 1.0)