

InertSearch™ for LC

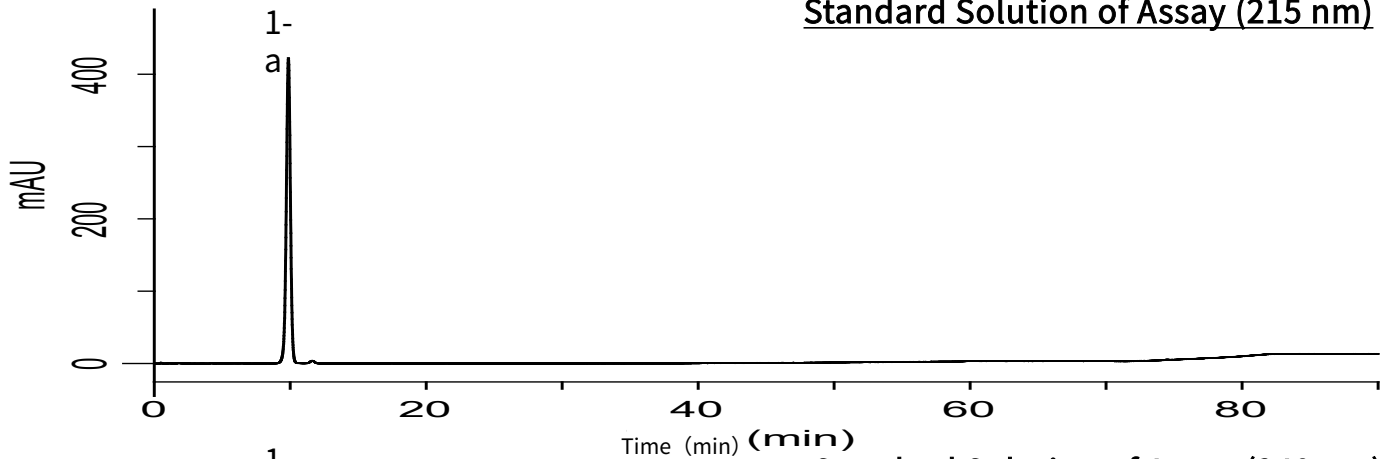
Inertsil® Applications

Analysis of Ezetimibe

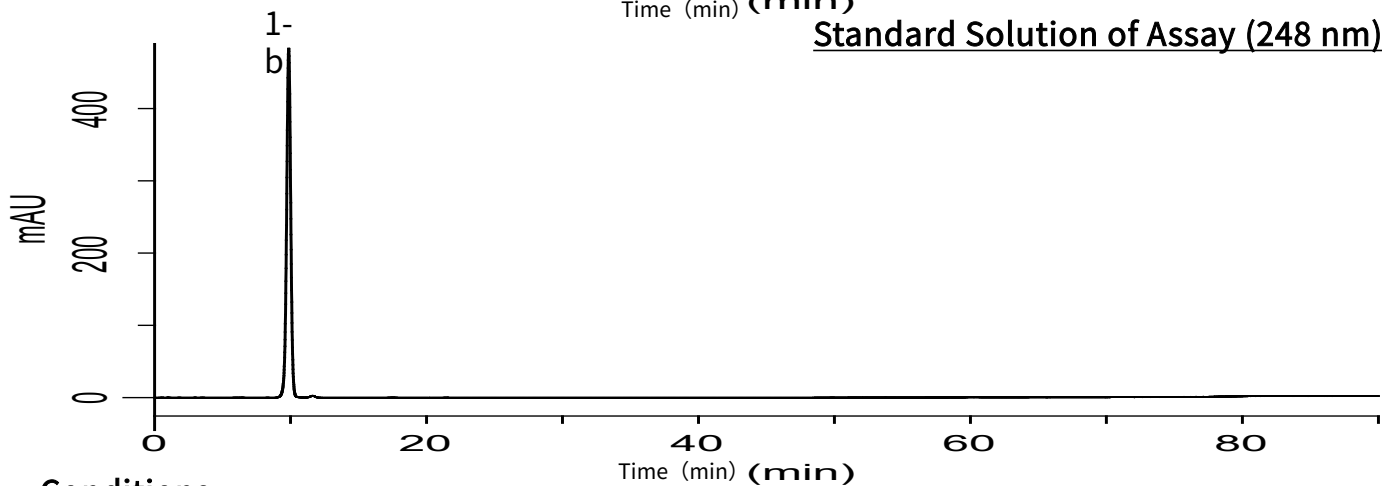
(Under the Condition of USP41-NF36, Ezetimibe)

Data No. LB549-0812

Standard Solution of Assay (215 nm)



Standard Solution of Assay (248 nm)



Conditions

System : GL7700 HPLC system
Column : InertSustain PFP (5 μm, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-87730
Eluent : A) CH₃CN
 B) CH₃OH
 C) H₂O

Analyte:
1. Ezetimibe 250 mg/L

Time (min)	A (vol%)	B (vol%)	C (vol%)
0	27	10	63
37	27	10	63
60	50	10	40
70	50	10	40
80	80	10	10
90	80	10	10
90.1	27	10	63
100	27	10	63

Symmetry factor (1-b) : 0.95 (< 1.5)
RSD of the peak area of 1-b (%) (n=6) : 0.24 (< 0.73)

Flow rate : 2.0 mL/min
Col. Temp. : 40 °C
Detection : UV 215 nm and 248 nm (PD7752 PDA Detector)
Injection Vol. : 60 μL
Sample : Standard