

InertSearch™ for LC

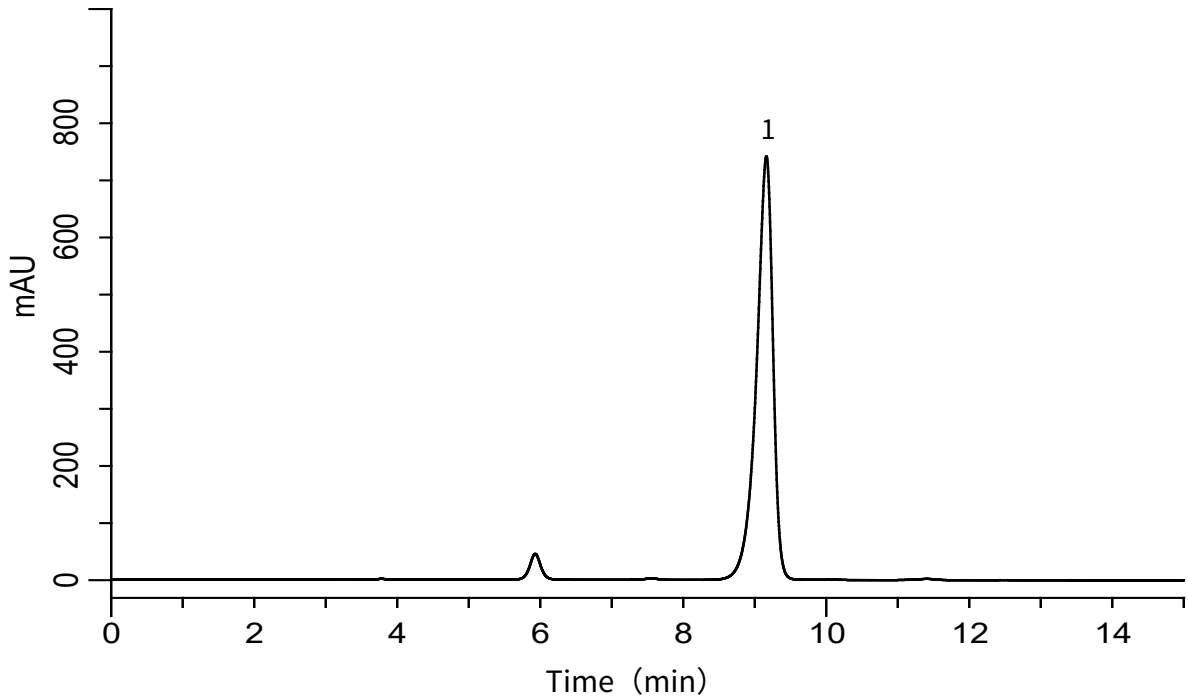
Inertsil® Applications

Analysis of Lincomycin

(Under the Condition of Japanese

Pharmacopoeia 16)

Data No. LA900-0811



Conditions

System	: GL-7400 HPLC system	
Column	: Inertsil C8-4 (5 μ m, 250 x 4.0 mm I.D)	Analyte :
Column Cat. No.	: 5020-04076	1. Lincomycin Hydrochloride (1000 mg/L)
Eluent	: A) CH ₃ CN B) CH ₃ OH C) H ₃ PO ₄ a.q.* (pH 6.0, 10 % NH ₃ a.q.) A/B/C = 150/150/780 ,v/v/v * Add H ₂ O (1000 mL) to H ₃ PO ₄ (13.5 mL)	Theoretical plates : 8208 (> 4000) Tailing factor : 0.80 (< 1.5) Relative standard deviation (N = 6) : 1.4 % (< 2 %)
Flow Rate	: 0.6 mL/min	
Col. Temp.	: 46 °C	
Detection	: UV 210 nm nm (GL-7450 UV Detector)	
Injection Vol.	: 20 μ L	
Sample	: Lincomycin Hydrochloride	