

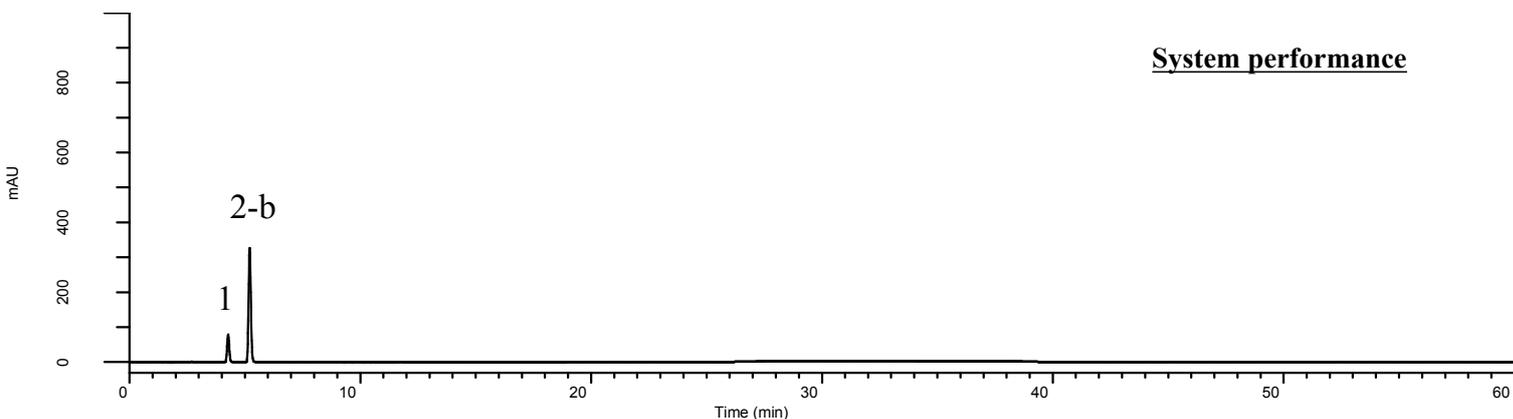
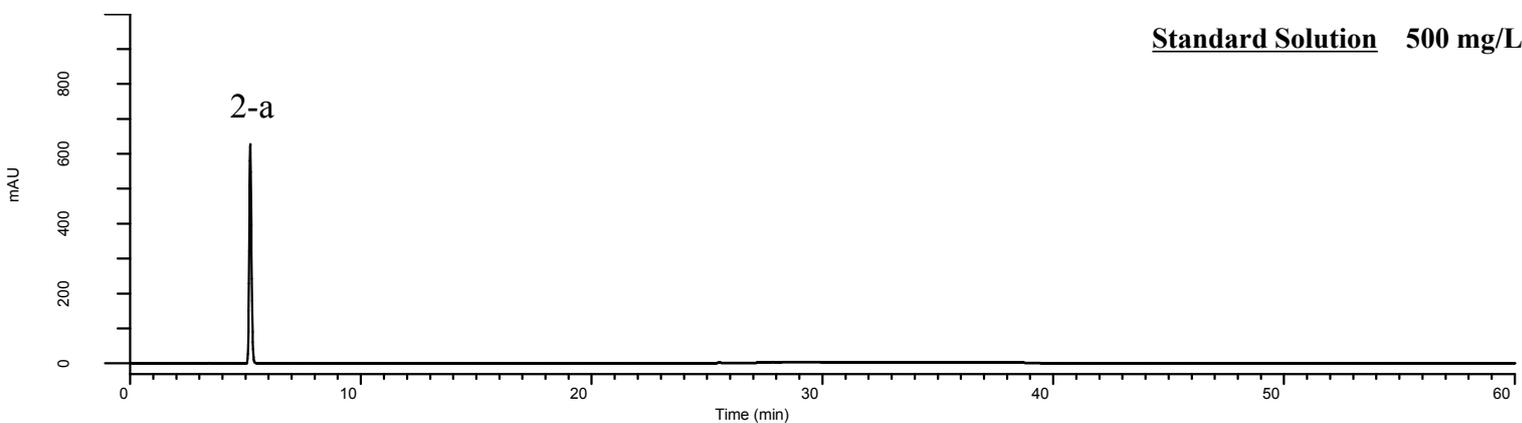
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Ribavirin

(Under the Condition of the Japanese Pharmacopoeia)

Data No. LB286-0894



### Conditions

**System** : GL7700 HPLC system  
**Column** : Inertsil ODS-4 HP  
(3  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-14008  
**Eluent** : A) Solution\*  
B) Solution\*/CH<sub>3</sub>CN = 19/1 ,v/v

### Analyte:

1. Impurity  
2. Ribavirin

Resolution (1, 2-b) : 5.28 ( $\geq$  4.0)  
Tailing factor (2-a) : 1.13 ( $\leq$  1.5)  
RSD of the peak  
area (2-a)(%)(n=6) : 0.46 ( $\leq$  1.0)

Time(min)	A(vol%)	B(vol%)
0.0	100	0
15.0	100	0
25.0	0	100
35.0	0	100
35.1	100	0
60.0	100	0

**Flow Rate** : 1.0 mL/min  
**Col. Temp.** : 25 °C  
**Detection** : UV 220 nm (PD7752 PDA Detector)  
**Injection Vol.** : 5  $\mu$  L  
**Sample** : Standard

\*Dissolve 2.0 g of sodium sulfate anhydrous in 300 mL of water.

Add 8 mL of phosphoric acid (5%) to this solution

Add water to make 2,000 mL.