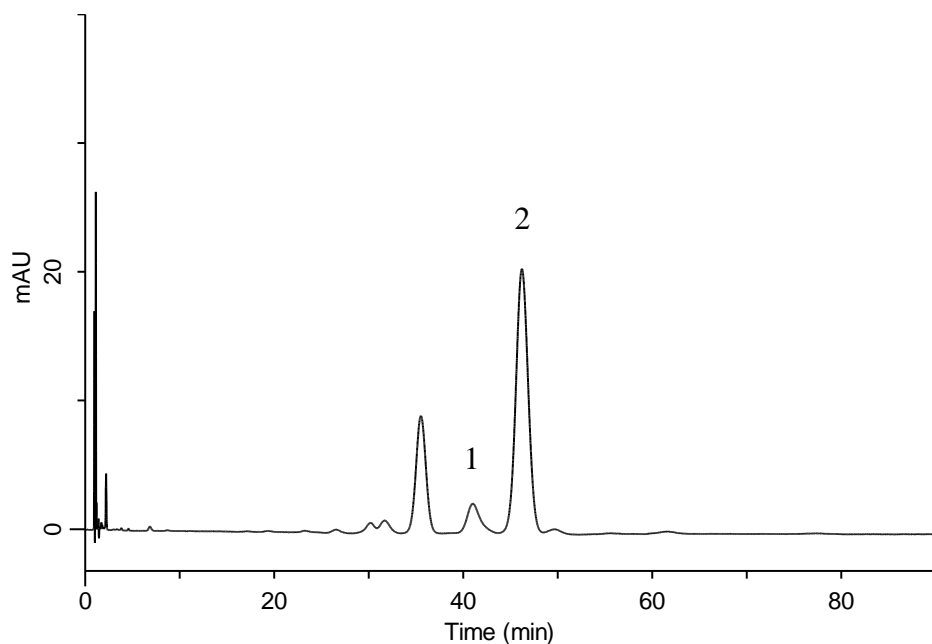


## Analysis of Leuprorelin acetate

(Under the Condition of the Japanese Pharmacopoeia)



### Conditions

**System** : GL-7400 HPLC system  
**Column** : InertSustainSwift C18 HP  
 (3  $\mu$  m, 100 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-88224  
**Eluent** : A) CH<sub>3</sub>CN  
 B) 1-Propanol  
 C) Buffer\*  
 A/B/C = 9/6/85, v/v/v  
**Flow Rate** : 1.25 mL/min  
**Col. Temp.** : 25 °C  
**Detection** : UV 220 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Impurity  
 2. Leuprorelin acetate

\*Dissolve 15.2 g of triethylamine in 800 mL of water.  
 Adjust to pH 3.0 with phosphoric acid.  
 Add water to make up to 1000 mL.