

# HPLC Application

ID No.: 19015

## Metoprolol Tartrate Related Substance HPLC Analysis (HP-EUR) on Kinetex 2.6u C18 50 x 4.6mm ID

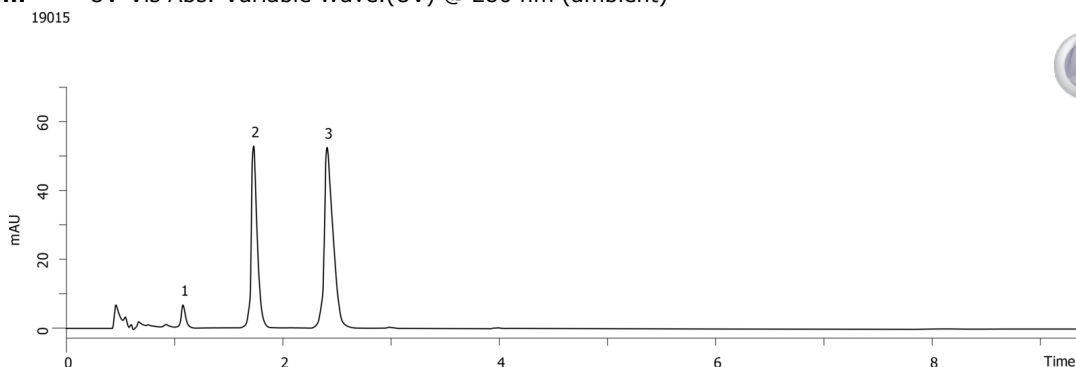
**Column:** Kinetex<sup>®</sup> 2.6 μm C18 100 Å, LC Column 50 x 4.6 mm, Ea  
**Dimensions:** 50 x 4.6 mm ID  
**Order No:** 00B-4462-E0  
**Elution Type:** Isocratic  
**Eluent A:** 3.9 g NH<sub>4</sub>OAc in 810 mL H<sub>2</sub>O/2 mL TEA/10 mL glacial HOAc/3 mL H<sub>3</sub>PO<sub>4</sub>/146 mL ACN  
**Gradient**  

Step No.	Time (min)	Pct A
1	0	100

  
**Flow Rate:** 1 mL/min  
**Col. Temp.:** ambient  
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 280 nm (ambient)



Products used in this application:



### ANALYTES:

- 1** Metoprolol impurity G  
Retention Time: 1.078 min
- 2** Metoprolol impurity A  
Retention Time: 1.728 min
- 3** Metoprolol tartrate CRS  
Retention Time: 2.407 min

