

# HPLC Application

ID No.: 25644

## Methanol/Acetonitrile (40:60) Impact on Phenyl Selectivity for Kinetex 2.6 µm Biphenyl

**Column:** Kinetex<sup>®</sup> 2.6 µm Biphenyl 100 Å, LC Column 50 x 4.6 mm, Ea

**Dimensions:** 50 x 4.6 mm ID

**Order No:** 00B-4622-E0

**Elution Type:** Gradient

**Eluent A:** 0.1% Formic acid in Water

**Eluent B:** 0.1% Formic acid in Methanol/Acetonitrile (40:60)

<b>Gradient Profile:</b>	<b>Step No.</b>	<b>Time (min)</b>	<b>Pct A</b>	<b>Pct B</b>
	<b>1</b>	0	85	15
	<b>2</b>	4	5	95

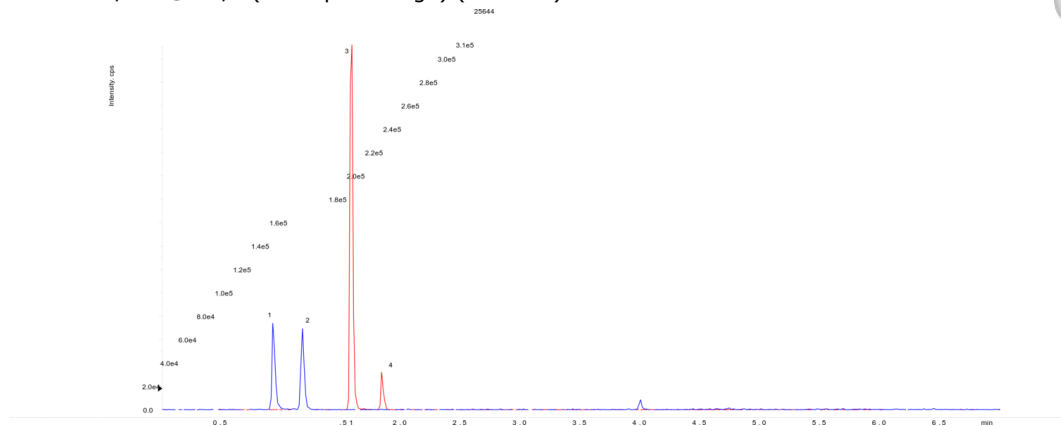
**Flow Rate:** 800 µL/min

**Col. Temp.:** ambient

**Detection:** LC/MS @ m/z (mass per charge) (ambient)



Products used in this application:



### ANALYTES:

- 1** Morphine  
Retention Time: 0.93 min
- 2** Hydromorphone  
Retention Time: 1.17 min
- 3** Codeine  
Retention Time: 1.58 min
- 4** Hydrocodone  
Retention Time: 1.83 min

