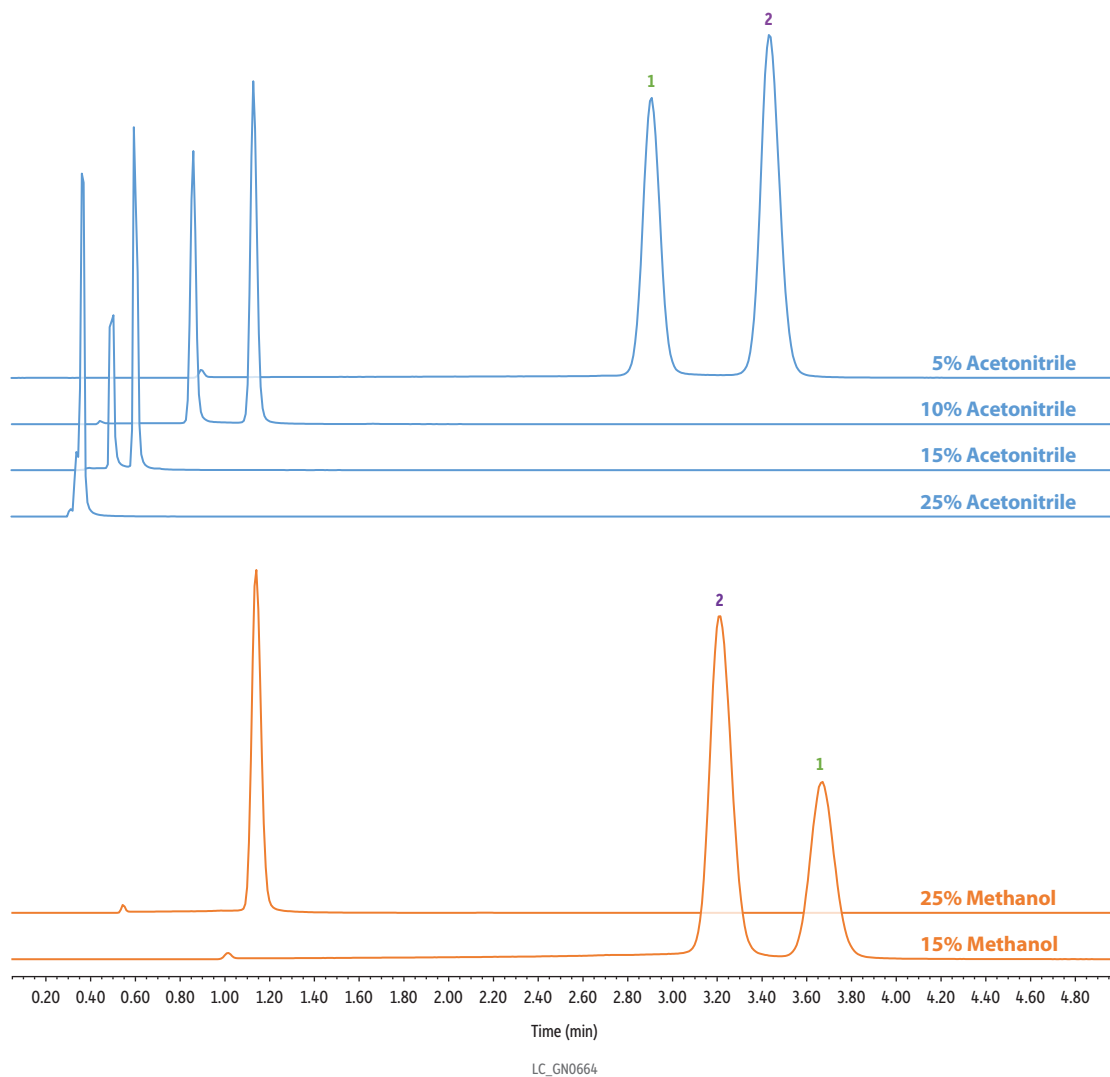


Mobile Phase Comparison: Dihydrocodeine and Noroxycodone on Raptor Biphenyl Using Acetonitrile- vs. Methanol-Based Mobile Phases

Peaks	Conc. (µg/mL)
1. Dihydrocodeine	0.5
2. Noroxycodone	0.5



Column Raptor Biphenyl (cat.# 9309A52)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Temp.: Ambient
Inj. Vol.: 10 µL

Mobile Phase

Flow: 0.8 mL/min
Detector PDA @ 254 nm
Instrument Waters ACQUITY UPLC H-Class

Notes

Mobile Phase Details

Acetonitrile (top)

Analysis run using 5, 10, 15, and 25% acetonitrile mobile phase.

- A: Water, 0.1% formic acid
- B: Acetonitrile, 0.1% formic acid

Methanol (bottom)

Analysis run using 15 and 25% methanol mobile phase.

- A: Water, 0.1% formic acid
- B: Methanol, 0.1% formic acid