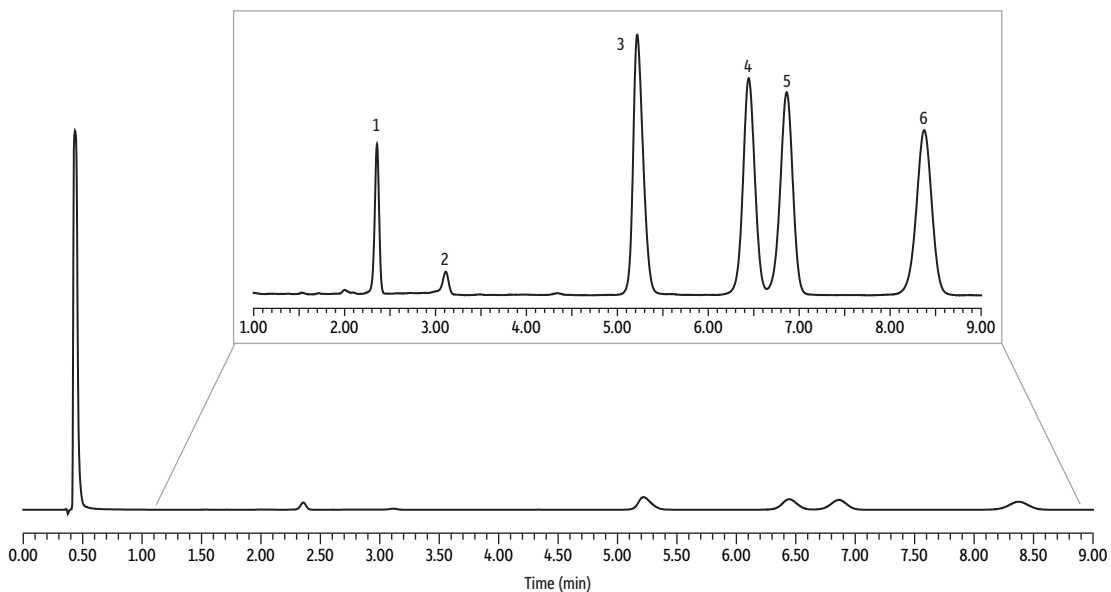


# Kratom Alkaloids on Force Inert Biphenyl



LC\_FF0638

Peaks	tr (min)
1. Mitraphylline	2.35
2. 7-OH Mitragynine	3.10
3. Speciociliatine	5.13
4. Speciogynine	6.39
5. Paynantheine	6.85
6. Mitragynine	8.35

**Column** Force Inert Biphenyl (cat.# 962931E-T)  
**Dimensions:** 100 mm x 3.0 mm ID  
**Particle Size:** 3 µm  
**Pore Size:** 100 Å  
**Temp.:** 40 °C

**Standard/Sample**  
**Diluent:** 50:50 Water:acetonitrile  
**Conc.:** 50 ppm  
**Inj. Vol.:** 2 µL

**Mobile Phase**  
**A:** Water, 20 mM ammonium acetate (pH 6.8)  
**B:** Acetonitrile

Time (min)	Flow (mL/min)	%A	%B
0.00	1.00	60	40
10.00	1.00	60	40

**Detector** UV-Vis @ 222 nm  
**Flow Cell Size:** 500 nL  
**Instrument** Waters ACQUITY UPLC H-Class  
**Sample Preparation** Standards, 50 ppm, were prepared in a 2.0 mL amber, short-cap vial (cat.# 21142) containing 50:50 water:acetonitrile diluent and capped with a 9 mm short cap (cat.# 24497)