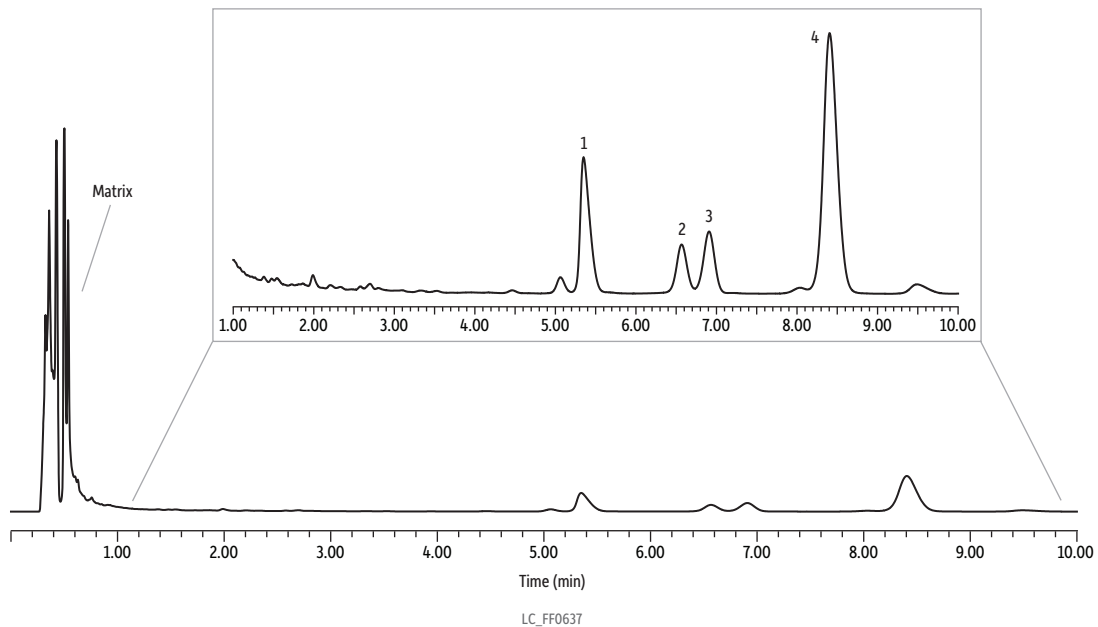


Malaysian Green Vein Kratom on Force Inert Biphenyl



Peaks	tr (min)	Conc. (wt.%)
1. Speciociliatine	5.14	3.26
2. Speciogynine	6.41	1.38
3. Paynantheine	6.84	1.82
4. Mitragynine	8.29	9.65

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 Endogenous levels
Diluent: 50:50 Water:acetonitrile
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	1.0	60	40
10.00	1.0	60	40

Detector UV-Vis @ 222 nm
Flow Cell Size: 500 nL
Instrument Waters ACQUITY UPLC H-Class
Sample Preparation Kratom powder, 1000 mg, was weighed into a 15 mL centrifuge tube and diluted with 10 mL of a 50:50 mixture of water:methanol. The sample was vortexed for 10 min at 1000 rpm, followed by centrifugation for 5 min at 3000 rpm. A 250 µL sample was aliquoted into a 2.0 mL amber, short-cap vial (cat.# 21142) containing 750 µL of 50:50 water:acetonitrile and capped with a 9 mm short cap (cat.# 24497).
Notes Conc. was calculated using a 5-point calibration curve (5-250 µg/mL) prepared from sourced reference standards.