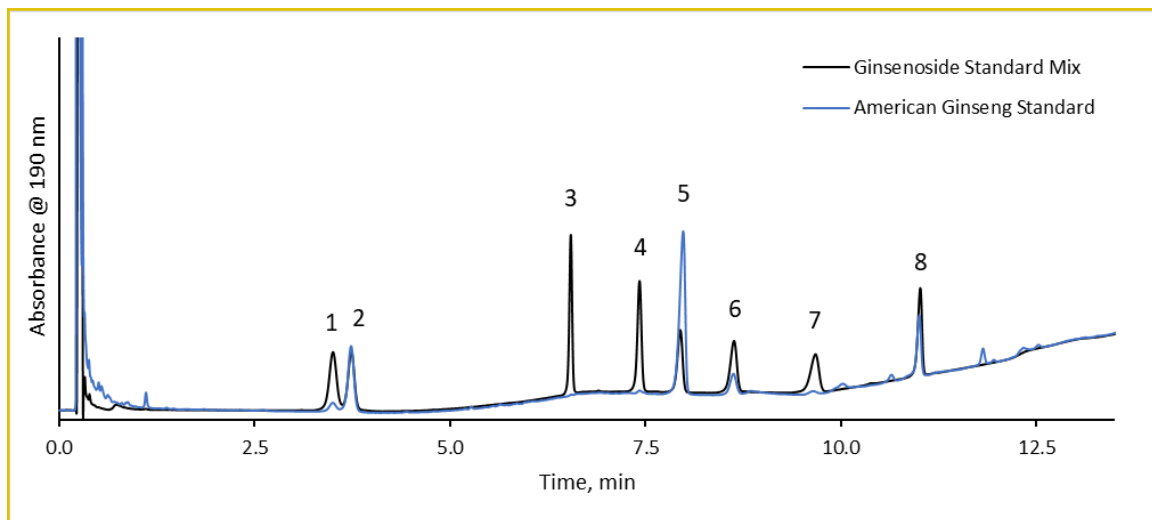




Ginseng Analysis using 2.7 µm HALO® C18

226-F



TEST CONDITIONS:

Column: HALO 90 Å C18, 2.7 µm 3.0 x 50 mm

Part Number: 92813-402

Mobile Phase A: Water

B: Acetonitrile

Gradient:	Time	%B
	0.0	19
	3.024	19
	6.264	29
	9.18	29
	13.5	40

Flow Rate: 0.788 mL/min

Pressure: 298 bar

Temperature: 30 °C

Detection: 190 nm

Injection Volume: 2.8 µL

Sample Solvent: Methanol

Data Rate: 100 Hz

Response Time: 0.025 sec

Flow Cell: 1 µL

LC System: Shimadzu Nexera

PEAK IDENTITIES

1. Ginsenoside Rg1
2. Ginsenoside Re
3. Ginsenoside Rf
4. Ginsenoside Rg2
5. Ginsenoside Rb1
6. Ginsenoside Rc
7. Ginsenoside Rb2
8. Ginsenoside Rd

Ginseng root has been used as a traditional medicine for centuries. It is believed to benefit the immune system, brain function, and act as an antioxidant that may reduce inflammation. Ginseng can be prepared as a dietary supplement, an herbal tea, or even used in cooking. Ginsenosides are a class of natural product steroid saponins primarily found in ginseng root. Ginseng root from *Panax quinquefolium* (American ginseng) is overlaid with a standard mixture of eight ginsenosides on a 2.7 µm HALO® C18 column showing excellent resolution between critical pairs.

