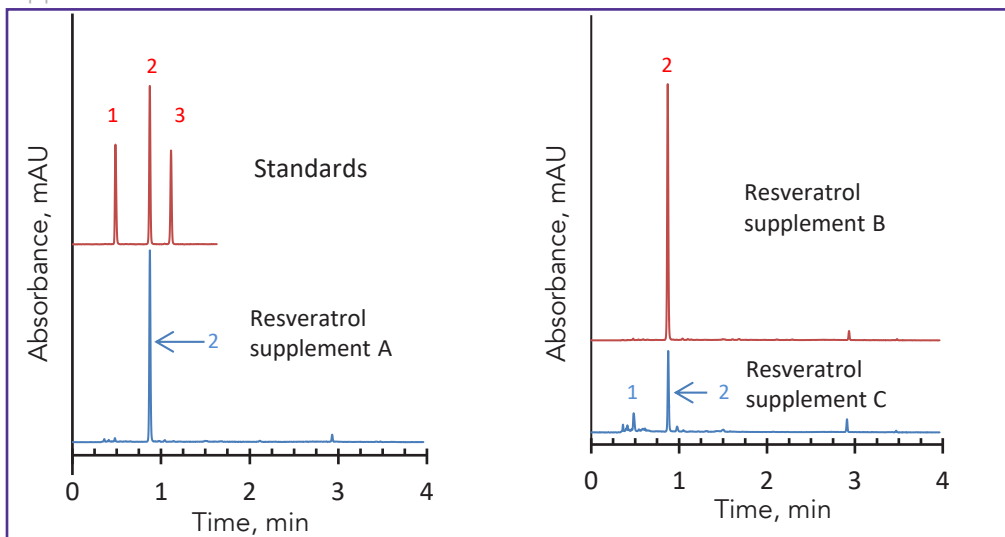




Separation of Resveratrols on HALO® C18, 2.7 µm

Application Note 132-P



PEAK IDENTITIES:

1. Polydatin
2. trans-Resveratrol
3. cis-Resveratrol

Resveratrols are polyhydroxy compounds and have been reported to have antioxidant and anti-aging properties and are available as food supplements. These food supplements can be analyzed rapidly using short HALO® Fused-Core® C18 columns.

TEST CONDITIONS:

Column: HALO 90 Å C18, 2.7 µm,
4.6 x 75 mm

Part Number: 92814-502

Mobile Phase:

A: Water

B: Acetonitrile

Gradient:	Time (min)	% B
	0.0	30
	2.0	50
	3.0	90
	4.0	90

Flow Rate: 1.8 mL/min

Pressure: 240 bar

Temperature: 35 °C

Detection: UV 290 nm, VWD

Injection Volume: 1.0 µL

Sample Solvent: 50/50 acetonitrile/methanol

Response Time: 0.02 sec

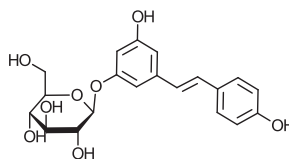
Data Rate: 25 Hz

Flow Cell: 2.5 µL semi-micro

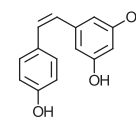
LC System: Shimadzu Prominence UFLC XR

Extra Column Volume: ~14 µL

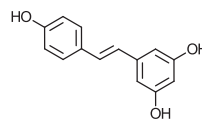
STRUCTURES:



Polydatin



cis-Resveratrol



trans-Resveratrol

