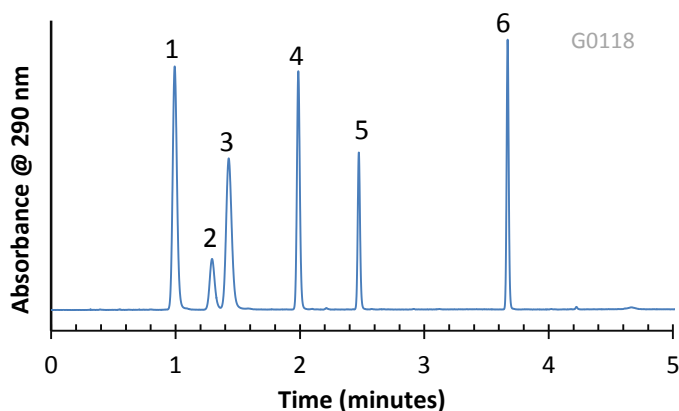


Separation of Resveratrols and Related Compounds on HALO 5 C18



PEAK IDENTITIES:

1. *trans*-Polydatin
2. Piceatannol
3. *trans*-Oxyresveratrol
4. *trans*-Resveratrol
5. *cis*-Resveratrol
6. Pterostilbene

TEST CONDITIONS:

Column: 3.0 x 100 mm, HALO 5 C18, 5 µm

Part Number: 95813-602

Mobile Phase:

A= Water

B= Methanol

Gradient:

Time	%B
0.0	32
1.0	32
4.0	90
5.0	90

Flow Rate: 1.2 mL/min.

Pressure: 245 Bar

Temperature: 35°C

Detection: UV 290 nm, VWD

Injection Volume: 1.0 µL

Sample Solvent: 50/50: Acetonitrile/water

Response Time: 0.02 sec.

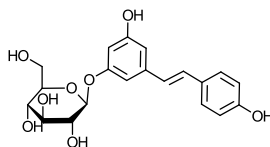
Data rate: 25 Hz.

Flow Cell: 2.5 µL semi-micro

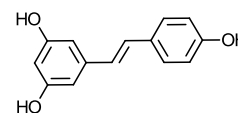
LC System: Shimadzu Prominence UFLC XR

ECV: ~14 µL

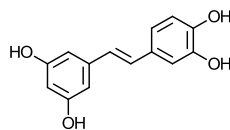
STRUCTURES:



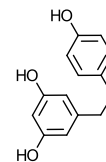
trans-Polydatin



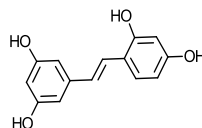
trans-Resveratrol



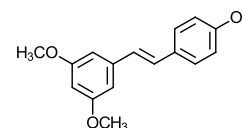
Piceatannol



cis-Resveratrol



trans-Oxyresveratrol



Pterostilbene

These naturally occurring compounds can be found in grapes and grape vines and other plants and are claimed to have health benefits. Resveratrol and these related compounds can be analyzed in less than 5 minutes using a HALO 5 C18 column.