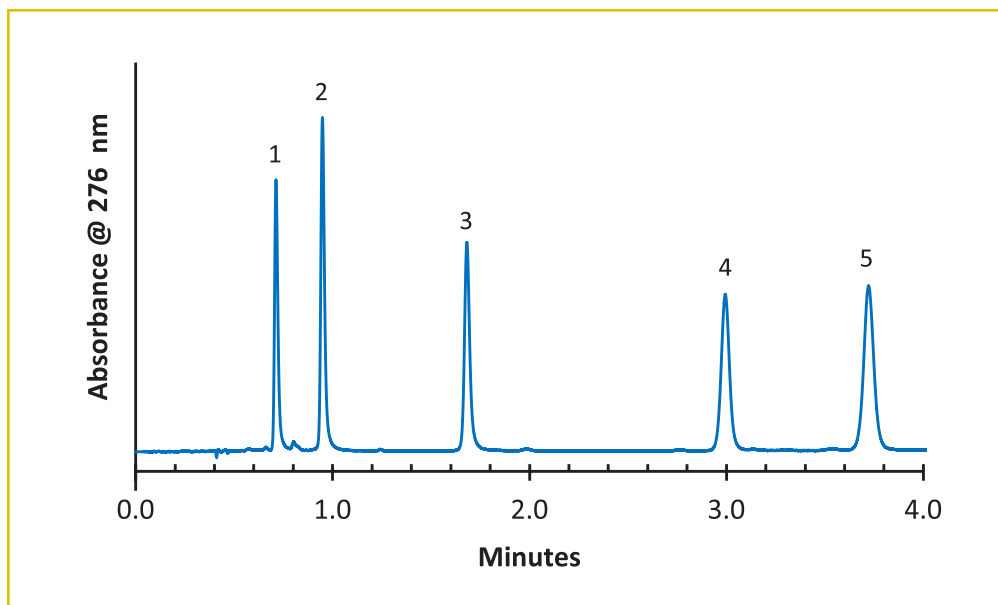




Separation of Five Flavonoids on HALO® C8, 2.0 µm

Application Note 127-FL



PEAK IDENTITIES:

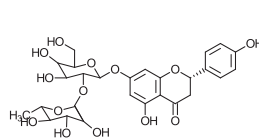
1. Naringin
2. Myricetin
3. Quercetin
4. Naringenin
5. Hesperetin

Flavonoids are colored compounds found in many plants and may have beneficial effects for anti-inflammatory and cardiovascular health. Five of these compounds are shown separated on a 2.0 µm HALO® C8 column in under four minutes.

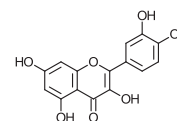
TEST CONDITIONS:

Column: HALO 90 Å C8, 2.0 µm,
2.1 x 100 mm
Part Number: 91812-608
Mobile Phase: 75/25 - A/B
A: 0.025 M ammonium formate,
pH 3.0
B: Acetonitrile
Flow Rate: 0.5 mL/min
Pressure: 473 bar
Temperature: 40 °C
Detection: UV 276 nm, PDA
Injection Volume: 0.1 µL
Sample Solvent: Methanol
Response Time: 0.025 sec
Data Rate: 100 Hz
Flow Cell: 1.0 µL
LC System: Shimadzu Nexera
Extra Column Volume: ~7 µL

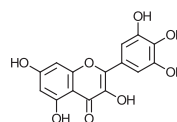
STRUCTURES:



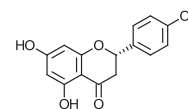
Naringin



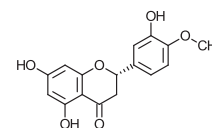
Quercetin



Myricetin



Naringenin



Hesperetin

