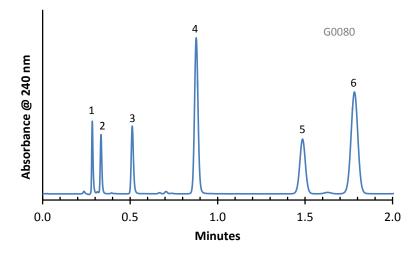
# HALO: | Fused-Core® Particle Technology

Application Note: 096-FL

# Separation of Six Flavonoids on HALO C18, 2.7µm



## **PEAK IDENTITIES:**

- 1. Catechin
- 2. Naringin
- 3. Myricetin
- 4. Quercetin
- 5. Naringenin
- 6. Hesperetin

#### **TEST CONDITIONS:**

Column: 4.6 x 50 mm, HALO C18, 2.7µm

Part Number: 92814-402 Mobile Phase: 70/30: A/B

A= 0.02 M Phosphate buffer, pH=2.9, (adj.)

B= Acetonitrile

Flow Rate: 2.0 mL/min. Pressure: 224 Bar Temperature: 30°C

Detection: UV 240 nm, VWD Injection Volume: 1.0 µL Sample Solvent: methanol Response Time: 0.02 sec. Flow Cell: 2.5 µL semi-micro

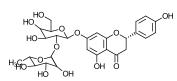
LC System: Shimadzu Prominence UFLC XR

ECV: ~14μL Data rate: 25 Hz

Flavonoids are naturally occurring polyphenols that are found in plant leaves, flowers and seeds. They have beneficial health effects and are often taken as dietary supplements. Analysis of this flavonoids mixture can be carried out in less than 2 minutes using a short HALO Fused Core C18 column.

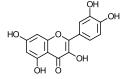
#### **STRUCTURES**:

Catechin



Naringin

Myricetin



#### Quercetin

### Naringenin

Hesperetin

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