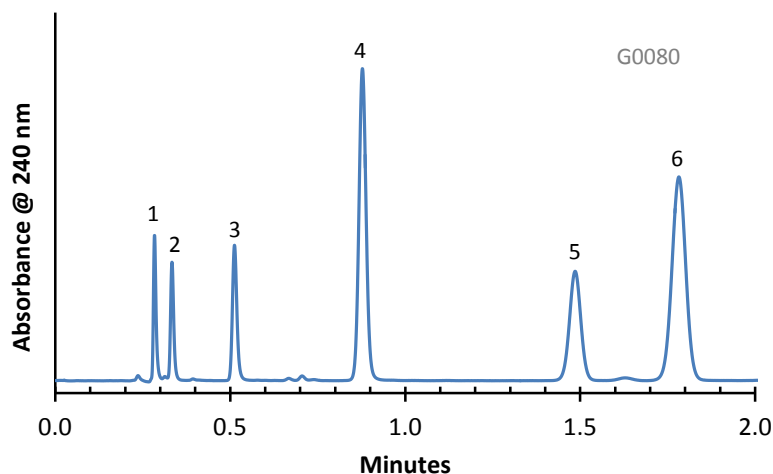


## Separation of Six Flavonoids on HALO C18, 2.7µm



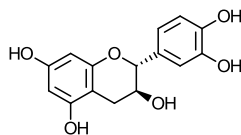
### PEAK IDENTITIES:

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

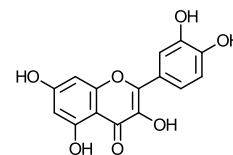
### TEST CONDITIONS:

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

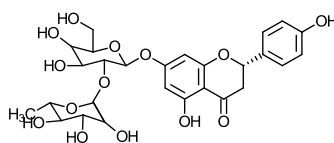
### STRUCTURES:



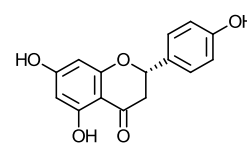
Catechin



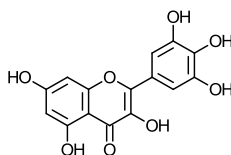
Quercetin



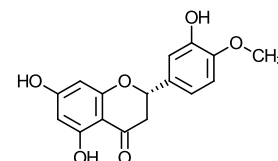
Naringin



Naringenin



Myricetin



Hesperetin

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.