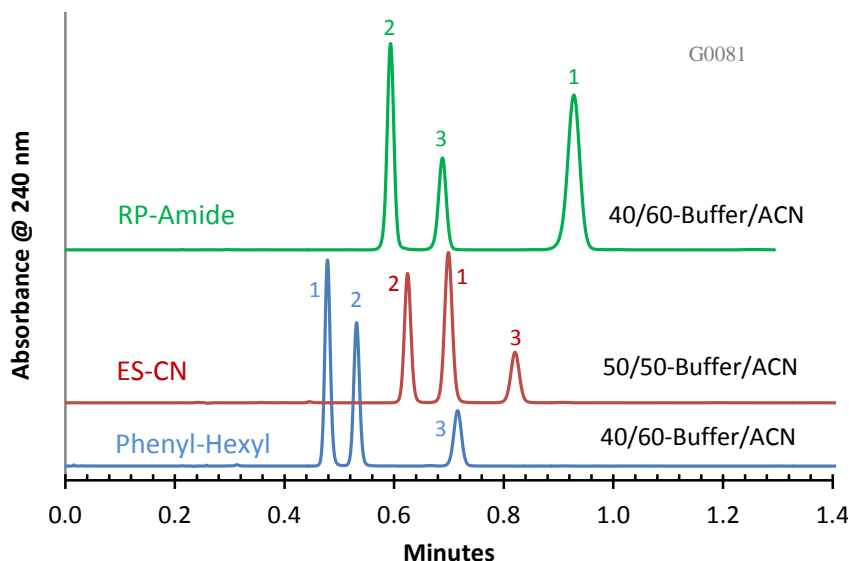


## Separation of Three Flavonoids on HALO 2.7 µm RP-Amide, ES-CN and Phenyl-Hexyl



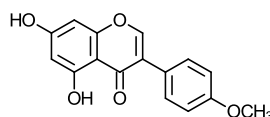
### PEAK IDENTITIES:

1. Biochanin A
2. Flavone
3. Flavanone

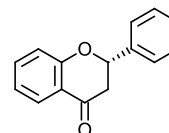
### TEST CONDITIONS:

Columns: 4.6 x 50 mm, 2.7µm  
 HALO RP-Amide, ES-CN, Phenyl-Hexyl,  
 Part Numbers: 92814-407, -404, -406, resp.  
 Mobile Phase: X/Y: See chart  
 A= 0.02 M Potassium phosphate buffer, pH=2.9  
 B= Acetonitrile  
 Flow Rate: 2.0 mL/min.  
 Pressure: About 170 Bar  
 Temperature: 30°C  
 Detection: UV 240 nm, VWD  
 Injection Volume: 1.0 µL  
 Sample Solvent: 50/50 Water/acetonitrile  
 Response Time: 0.02 sec.  
 Flow Cell: 2.5 µL semi-micro  
 LC System: Shimadzu Prominence UFLC XR  
 ECV: ~14 µL  
 Data rate: 25 Hz.

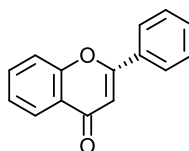
### STRUCTURES:



Biochanin A



Flavanone



Flavone

These separations illustrate different selectivities for 3 flavonoids on 3 HALO Fused-Core (2.7µm) columns. These phase choices allow flexibility during method development and optimization. Note the short separation time and modest back pressure.