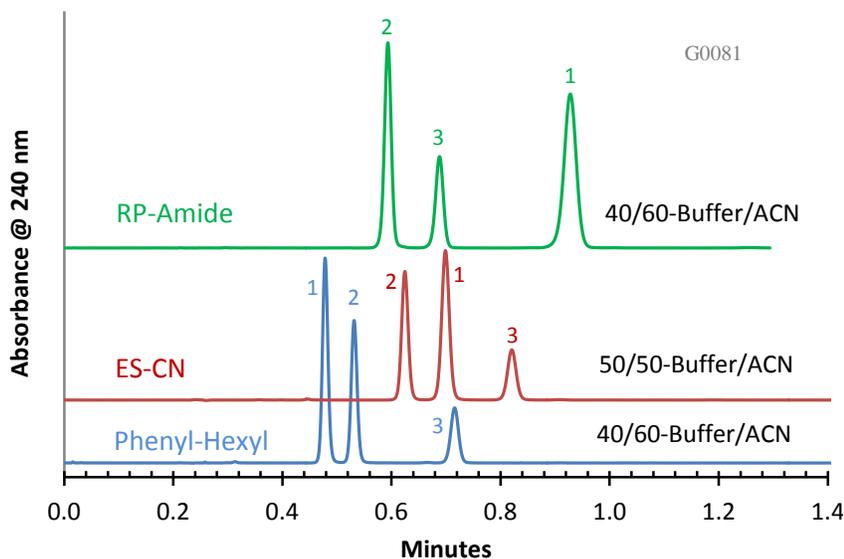


Separation of Three Flavonoids on HALO 2.7 μm RP-Amide, ES-CN and Phenyl-Hexyl



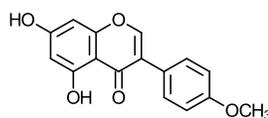
PEAK IDENTITIES:

1. Biochanin A
2. Flavone
3. Flavanone

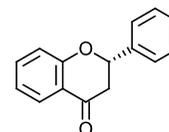
TEST CONDITIONS:

Columns: 4.6 x 50 mm, 2.7 μm
 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.

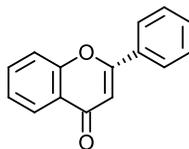
STRUCTURES:



Biochanin A



Flavanone



Flavone

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