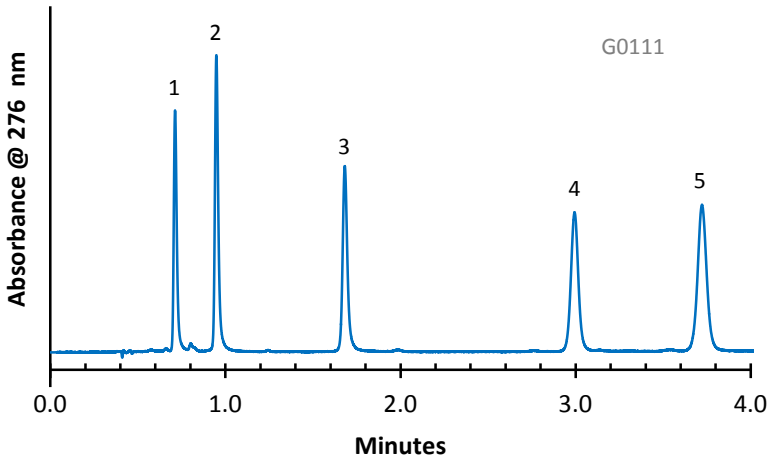
Application Note: 127-FL

Separation of Five Flavonoids on HALO 2 C8



PEAK IDENTITIES:

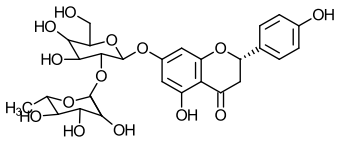
1. Naringin
2. Myricetin
3. Quercetin
4. Naringenin
5. Hesperetin

TEST CONDITIONS:

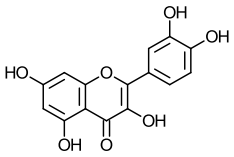
Column: 2.1 x 100 mm, HALO 2 C8, 2 µm
Part Number: 91812-608
Mobile Phase: 75/25: A/B
A= 0.025 M Ammonium formate, pH=3
B= Acetonitrile
Flow Rate: 0.5 mL/min.
Pressure: 473 bar
Temperature: 40°C
Detection: UV 276 nm, PDA
Injection Volume: 0.1 µL
Sample Solvent: methanol
Response Time: 0.025 sec.
Flow Cell: 1 µL
LC System: Shimadzu Nexera
Data rate: 100 Hz
ECV: ~ 7 µL

This separation of five flavonoids shows symmetrical peak shape on a HALO 2 C8 column using a mass-spec compatible mobile phase.

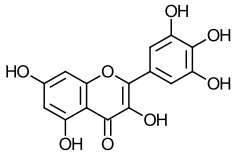
STRUCTURES:



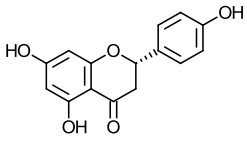
Naringin



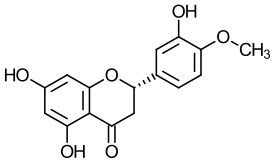
Quercetin



Myricetin



Naringenin



Hesperetin

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