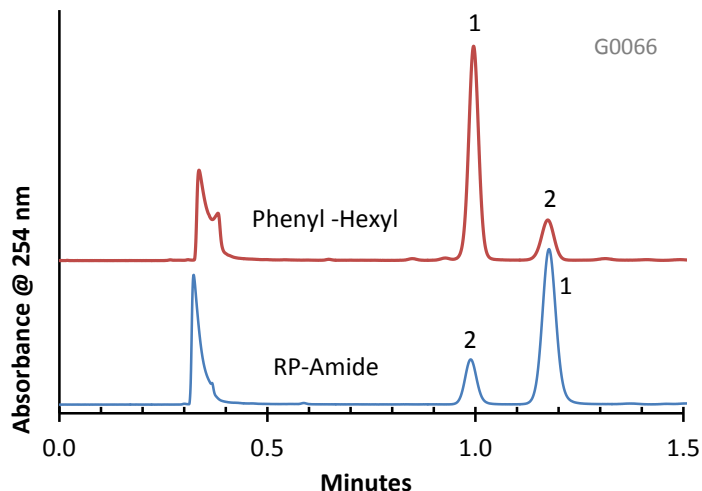


Separation of Diosmin and Hesperidin on HALO Phenyl-Hexyl and HALO RP-Amide



PEAK IDENTITIES:

1. Diosmin
2. Hesperidin

TEST CONDITIONS:

Column 1: 4.6 x 50 mm, HALO Phenyl-Hexyl

Part Number: 92814-406

Column 2: 4.6 x 50 mm, HALO RP Amide

Part Number: 92814-407

Mobile Phase: 78/22: Water/acetonitrile

Flow Rate: 1.5 mL/min.

Pressure: 145 Bar

Temperature: 40°C

Detection: UV 254 nm, VWD

Injection Volume: 0.5 µL

Sample Solvent: Dimethylformamide*

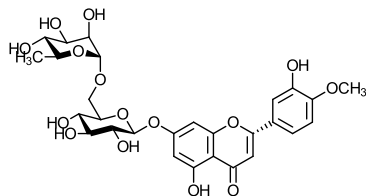
Response Time: 0.02 sec.

Flow Cell: 2.5 µL semi-micro

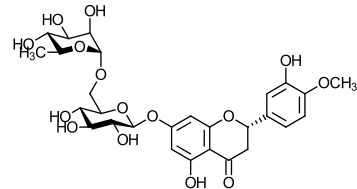
LC System: Shimadzu Prominence UFLC XR

ECV: ~14 µL

STRUCTURES:



Diosmin



Hesperidin

These two semi-synthetic flavonoids are often taken to enhance vascular health. The two compounds may be easily separated using either HALO RP-Amide or HALO Phenyl-Hexyl phases. Note the difference in elution order on the two phases.

*Needed for solubility reasons.