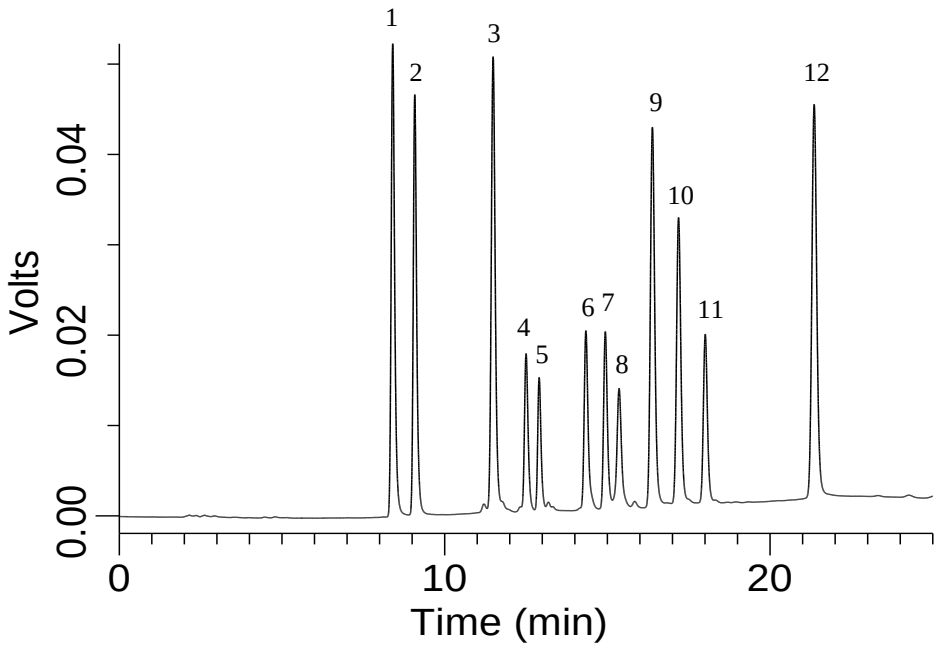
Analysis of Isoflavones



Conditions

System : AccuStream Capillary HPLC system
Column : MonoCap C18 WideBore (250 x 0.5 mm I.D.)
Column Cat. No. : 5020-10200
Eluent : A) 0.1 % CH_3COOH in CH_3CN
B) 0.1 % CH_3COOH in H_2O
A/B = 10/90 - 20 min - 30/70 - 5 min - 30/70, v/v
Flow rate : 25 µL/min
Col. Temp. : Ambient
Detection : UV 210 nm (MU701 18 nl cell)
Injection Vol. : 5 µL
Analyte : Isoflavone mixture

Solutes:

1. Daidzin (2.5 mg/L)
2. Glycitin (2.5 mg/L)
3. Grenistin (2.5 mg/L)
4. 6”-O-Malonyldaizin (2.5 mg/L)
5. 6”-O-Malonylglycitin (2.5 mg/L)
6. 6”-O-Acetyldaidzin (2.5 mg/L)
7. 6”-O-Acetylglycitin (2.5 mg/L)
8. 6”-O-Malonylgenistin (2.5 mg/L)
9. Daizein (2.5 mg/L)
10. Glycitein (2.5 mg/L)
11. 6”-O-Acetylgenistin (2.5 mg/L)
12. Genistein (2.5 mg/L)