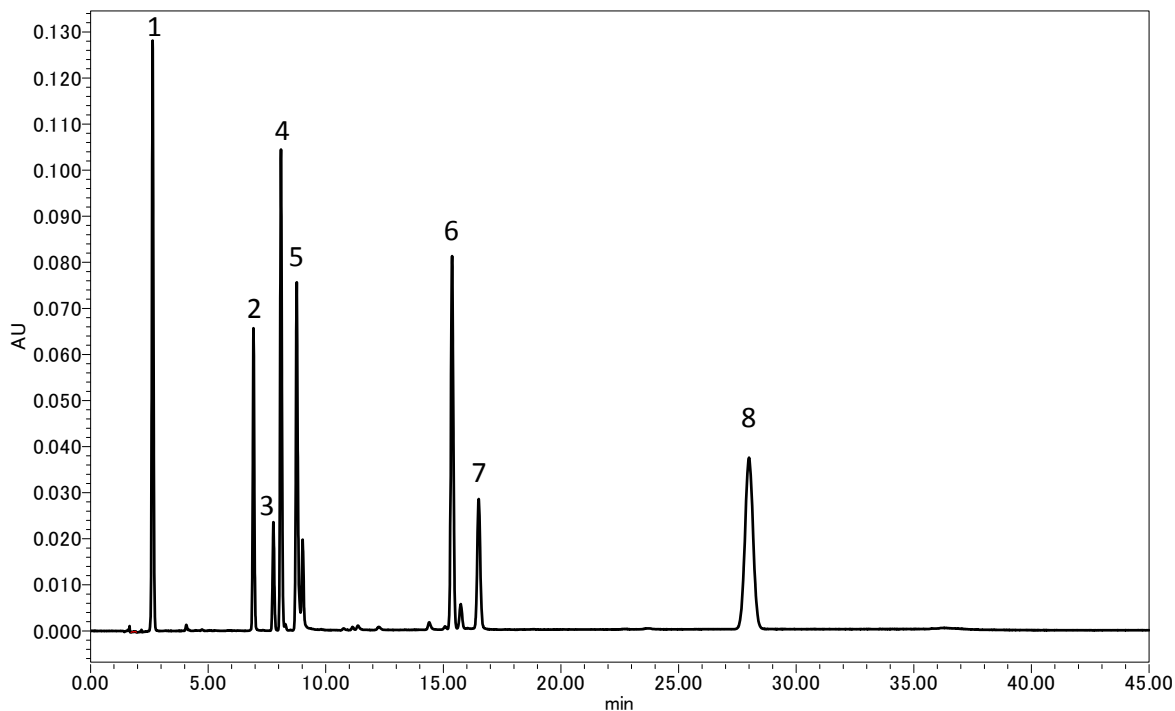


Develosil® Application Data No.112

“Analysis of Polyphenols (HPLC)”


Analytical conditions;

Column: Develosil HSR AQ C18, 5 µm (4.6x150 mm)

Product code: 73-546150W

Mobile phase: A) Water+0.1% H_3PO_4

B) Acetonitrile+0.1% H_3PO_4

Gradient:

min	mL/min	%A	%B
0.00	1.0	80	20
12.00	1.0	45	55
33.75	1.0	45	55
33.84	1.0	80	20

Temperature: 40°C

Detection: UV260 nm (2998 PDA)

Sample

1.Puerarin (10.4 µg/mL)
 2.Baicalin (10.2 µg/mL)
 3.Resveratrol (9.5 µg/mL)
 4.Daidzein (11.6 µg/mL)

5.Quercetin (9.0 µg/mL)
 6.Biochanin A (9.7 µg/mL)
 7.Curcmin (10.0 µg/mL)
 8.Ipriflavone (11.4 µg/mL)

Injection volume 2.0 µL

System Waters alliance e2695