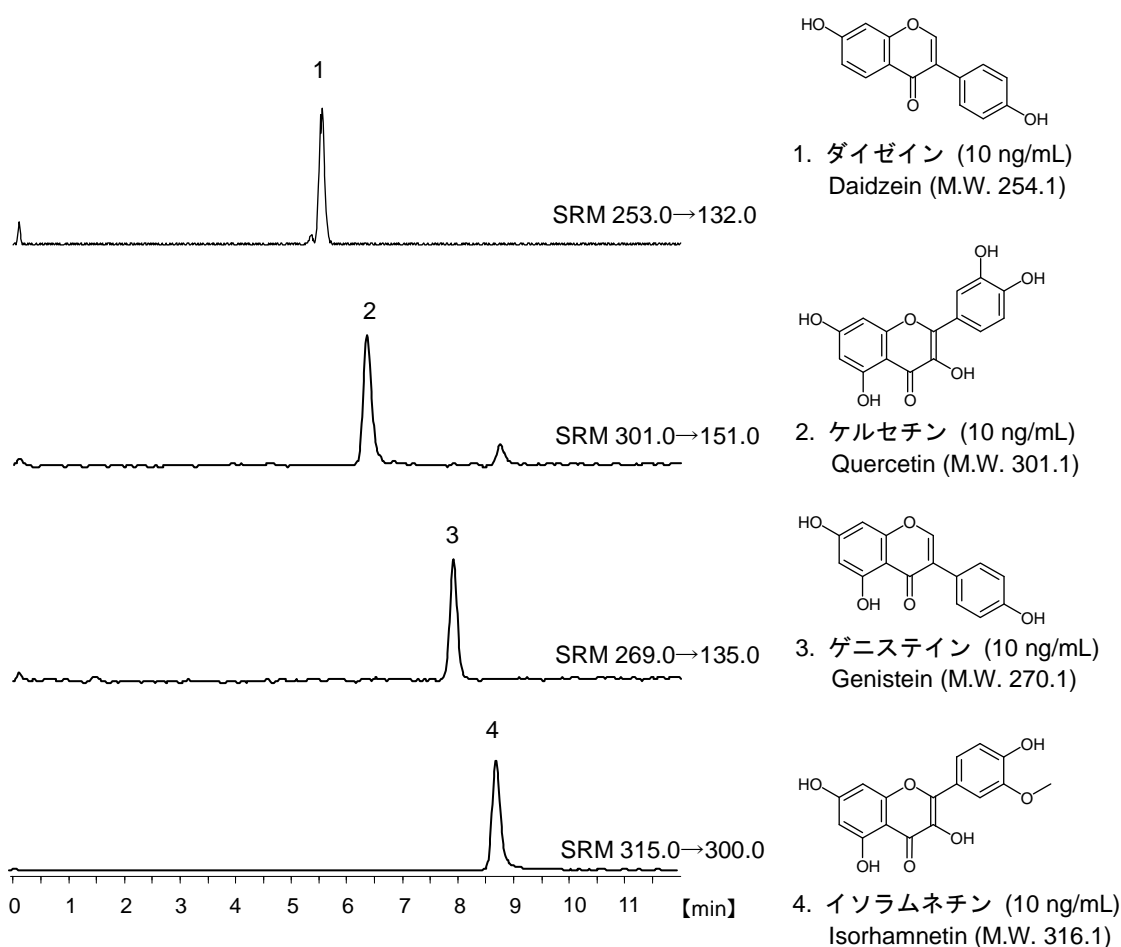


## フラボノイド

## Flavonoids

フラボノイドは多くの植物に存在する色素の総称です。ここでは、ダイゼイン、ケルセチン、ゲニス테인及びイソラムネチンの4種を、CAPCELL CORE C<sub>18</sub> S2.7を用い、質量分析計により検出した例を示します。各成分は良好なピーク形状で分離しています。

Flavonoids are a class of pigments widely contained in plants. Four flavonoids, daidzein, quercetin, genistein and isorhamnetin, were analyzed with LC-MS, using CAPCELL CORE C<sub>18</sub> S2.7. Each compound showed a good peak shape.



### 【HPLC Conditions】

Column	: CAPCELL CORE C <sub>18</sub> S2.7 ; 2.1 mm i.d. x 100 mm
Mobile phase	: A) 0.5 vol% HCOOH, B) 0.5 vol% HCOOH in CH <sub>3</sub> CN B 20 % (0 min) → 45 % (10 min) → 20 % (10.1 min) Gradient
Flow rate	: 200 μL/min
Temperature	: 40 °C
Detection	: MS/MS (SRM ; Selected Reaction Monitoring)
Ionization	: ESI negative
Inj. vol.	: 5 μL
Sample dissolved in	: Each standard was dissolved in ethanol at 1 mg/mL, and diluted with a solution ( H <sub>2</sub> O / CH <sub>3</sub> CN = 60 / 40 ) to 10 ng/mL. ※ 1μg/mL = 1 ppm