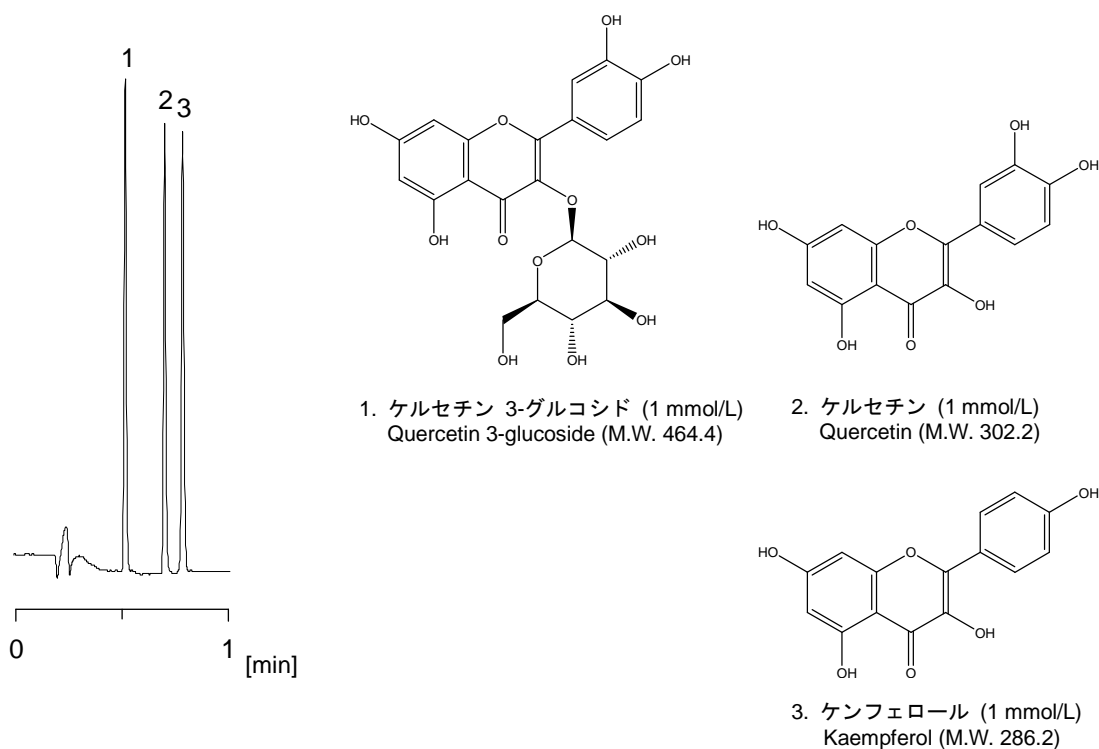


## フラボノール類

## Flavonols

フラボノールは、葉や茎、根など植物全体に広く存在するフラボノイドです。CAPCELL CORE C<sub>18</sub> S2.7 (2.1 mm i.d. x 50 mm) を用いて、3種のフラボノールを分析しました。流速は通常の流速 200 μL/min の3倍としました。各成分は良好なピーク形状で、1分以内で完全に分離しました (圧力：装置とカラムの分を含め最大 21.2 MPa)。

Flavonols widely occur in plants' leaves, trunks, and roots. Three flavonols were separated with CAPCELL CORE C<sub>18</sub> S2.7 (2.1 mm i.d. x 50 mm) at a flow rate of 600 μL/min, which corresponds to three times a conventional flow rate for 2.0-2.1 mm i.d. column. The three compounds were efficiently separated within one minute (max. pressure across instruments and the column: 21.2 MPa).



### 【HPLC Conditions】

Column	: CAPCELL CORE C <sub>18</sub> S2.7 ; 2.1 mm i.d. x 50 mm
Mobile phase	: A) 0.1 vol% HCOOH, B) CH <sub>3</sub> CN B 10 % (0 min) → 70 % (0.8 min) → 10 % (0.9 min) Gradient
Flow rate	: 600 μL/min
Temperature	: 40 °C
Detection	: UV 280 nm
Inj. vol.	: 0.5 μL
Sample dissolved in	: Each standard was dissolved in ethanol at 100 mmol/L. 10 μL of all the solutions were added together, and diluted to 1 mL with the CH <sub>3</sub> OH.