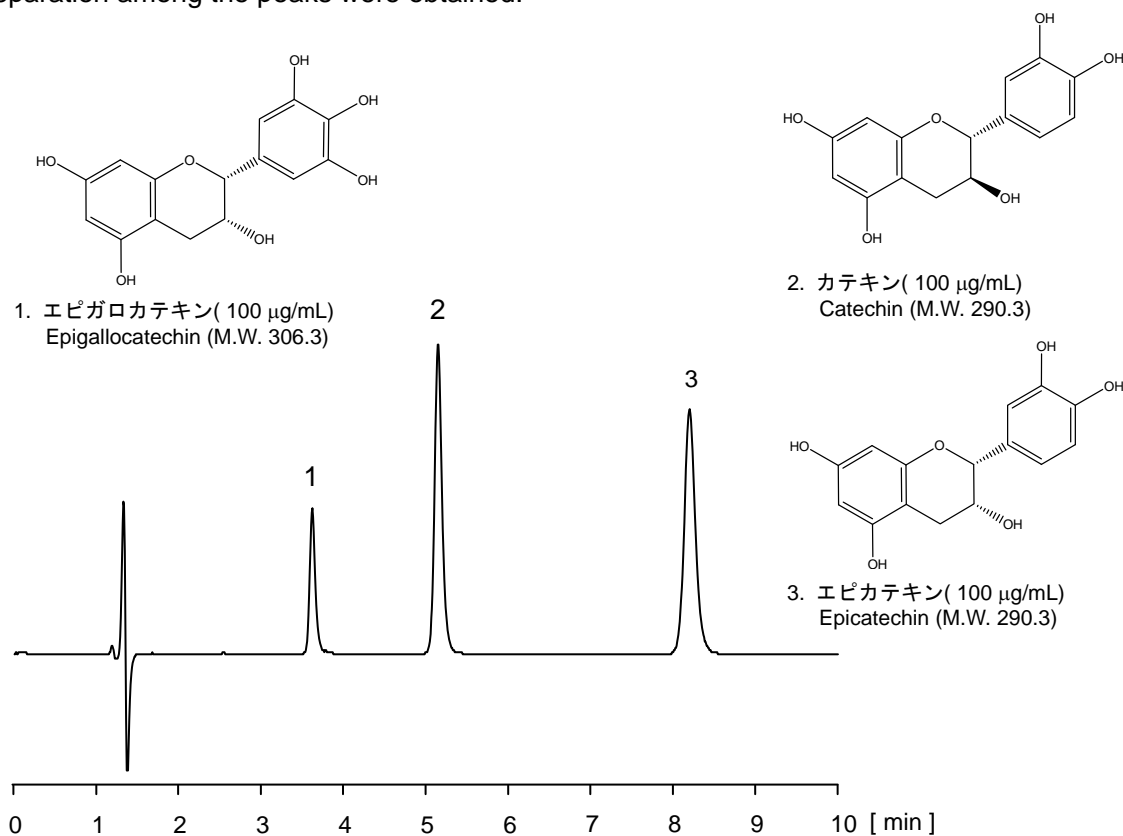


カテキン

Catechins

カテキンはフラボノイドの一種であり、多くの生理活性（抗酸化作用、抗菌作用等）を持つことが知られています。主要な茶カテキンであるエピガロカテキン、エピカテキン、及びカテキンを CAPCELL CORE ADME S2.7 (2.1 mm i.d. x 100 mm) で測定した例を示します。良好なピーク形状と分離が得られています。

Catechins, a series of flavonoids, are known to show various biological activities, such as antioxidative and antiviral activities. Three of the major catechins found in tea, epigallocatechin, epicatechin, and catechin, were separated with CAPCELL CORE ADME S2.7 (2.1 mm i.d. x 100 mm). A good peak shape for each compound and adequate separation among the peaks were obtained.



【HPLC Conditions】

Column : CAPCELL CORE ADME S2.7 ; 2.1 mm i.d. x 100 mm
Mobile phase : 0.1vol% HCOOH / CH₃CN = 90 / 10
Flow rate : 200 $\mu\text{L/min}$
Temperature : 40 °C
Detection : UV 280 nm
Inj. vol. : 1 μL
Sample dissolved in : H₂O
※ 1 $\mu\text{g/mL}$ = 1 ppm