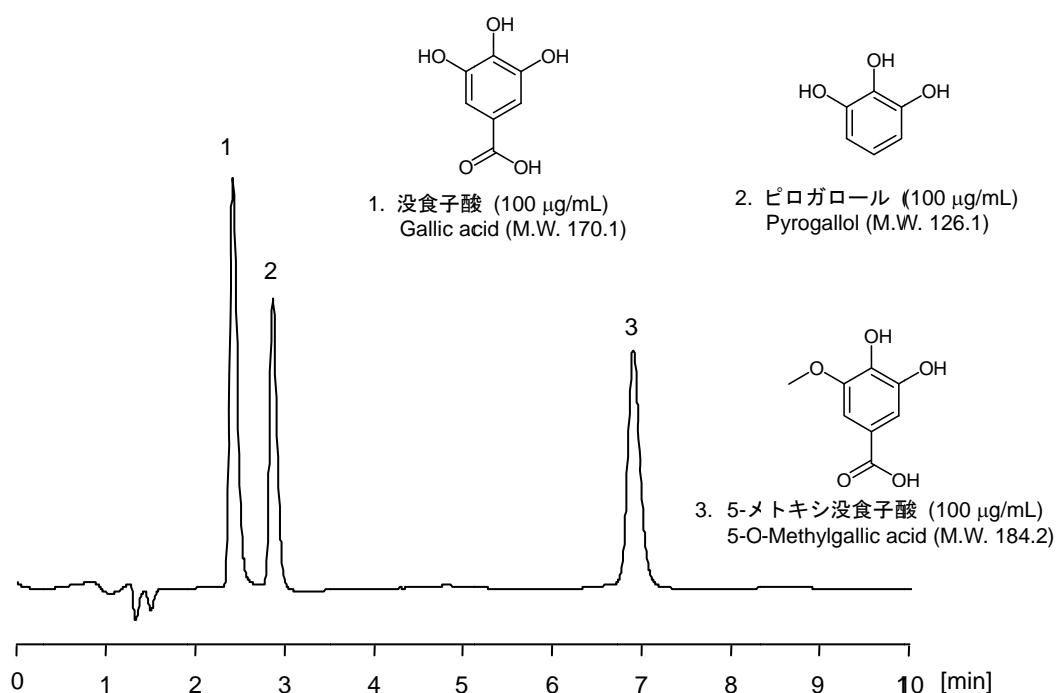


タンニン酸の代謝物，及び類縁化合物の3化合物を例に，置換基の違いが保持時間に及ぼす影響をCAPCELL CORE ADME S2.7 (2.1 mm i.d. x 100 mm) を用い調べました。没食子酸と5-メトキシ没食子酸のメチル基ひとつの差が大きな保持の違いとなる結果が得られました。

Using two metabolites of tannic acid and a related compound, influences of substituting groups on retention time were studied with CAPCELL CORE ADME S2.7 (2.1 mm i.d. x 100 mm). It was found that a structural difference of a single methyl group between gallic acid and 5-O-methylgallic acid resulted in a large difference in retention time.



#### 【HPLC Conditions】

Column	: CAPCELL CORE ADME S2.7 ; 2.1 mm i.d. x 100 mm
Mobile phase	: 0.1 vol% HCOOH / CH <sub>3</sub> CN = 95 / 5
Flow rate	: 200 µL/min
Temperature	: 40 °C
Detection	: PDA 235 nm
Inj. vol.	: 1 µL
Sample dissolved in	: Each standard was dissolved in 50%CH <sub>3</sub> CN at 1 mg/mL. An equivolume mixture of all the solutions was diluted with H <sub>2</sub> O, so that concentration of each compound was 100 µg/mL.
	※ 1 µg/mL = 1 ppm