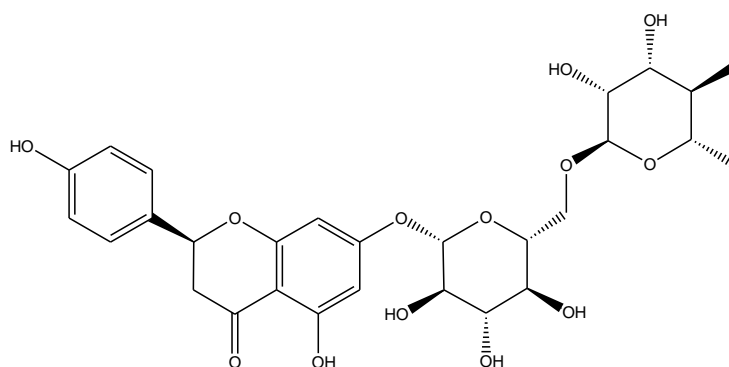


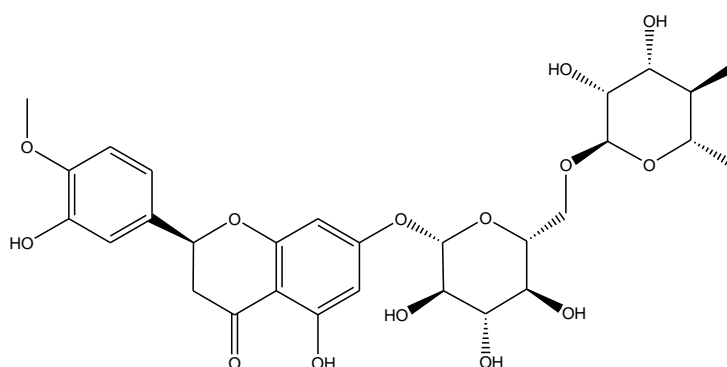
## ヘスペリジン、ナリルチン

## Hesperidin, Narirutin

血中コレステロール値改善作用、血行改善作用をもつヘスペリジン、優れた抗アレルギー作用をもつナリルチンは、共にかんきつ類の果皮に多く含まれるフラボノイド配糖体です。ここでは、CAPCELL PAK ADME-HR S3 (2.1 mm i.d. x 150 mm) を用いた分析例を示します。また、この化合物を主成分として含む市販のサプリメントの分析も行いました。

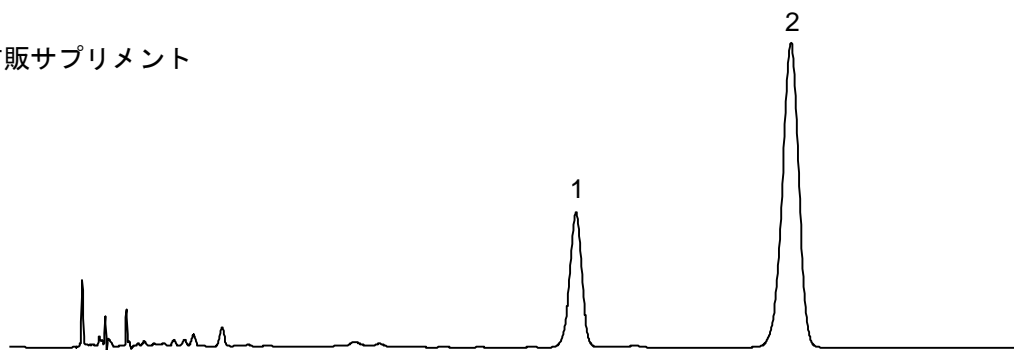


1. ナリルチン (100  $\mu\text{g/mL}$ )  
Narirutin (M.W. 580.5)

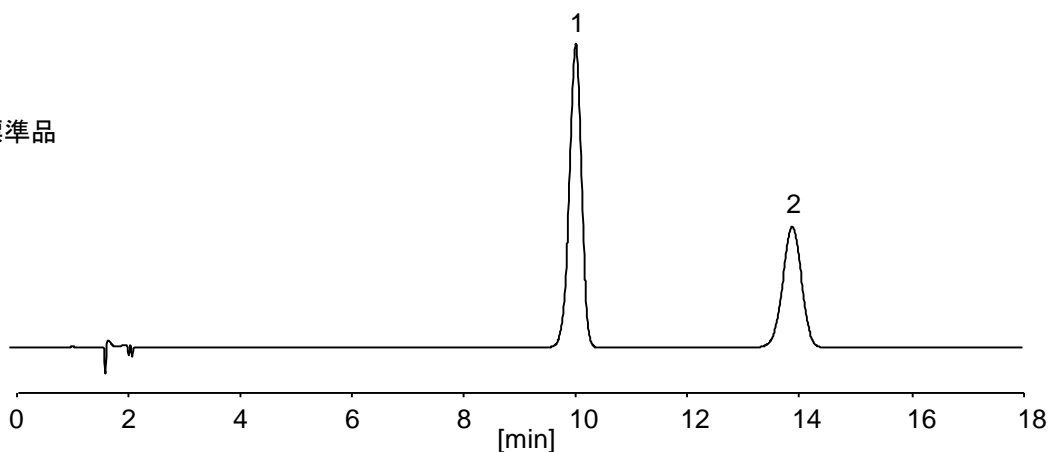


2. ヘスペリジン (100  $\mu\text{g/mL}$ )  
Hesperidin (M.W. 610.6)

市販サプリメント



標準品



【HPLC Conditions】

Column : CAPCELL PAK ADME-HR S3 ; 2.1 mm i.d. x 150 mm  
Mobile phase : 0.1 vol% CH<sub>3</sub>COOH, H<sub>2</sub>O / CH<sub>3</sub>CN = 80 / 20  
Flow rate : 200 μL/min  
Temperature : 40 °C  
Detection : UV 280 nm  
Inj. vol. : 2 μL  
Sample dissolved in : Tablets of the supplement were ground in a mortar with a pestle. 12.2 mg of the ground supplement was dispersed in 1 mL methanol. The dispersion was sonicated (20 min) and centrifuged. The supernatant was filtered with a 0.45-μm filter. 200 μL of the solution was diluted to 1 mL by adding methanol and introduced to HPLC.  
Each standard compound was separately dissolved in methanol.  
※ 1 μg/mL = 1 ppm