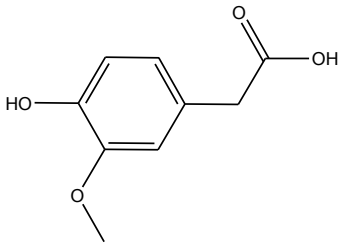
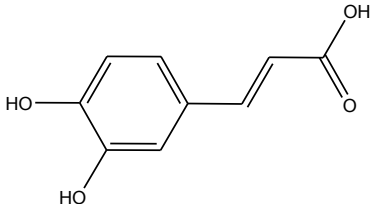
フェノール化合物 Phenols

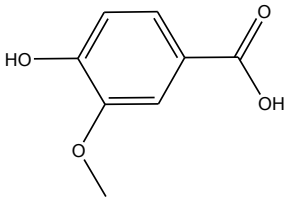
お酒に含まれるバニリン酸、バニリン及びフェルラ酸の 3 成分と、類似構造のホモバニリン酸及びカフェ酸を加えた 5 種類のフェノール化合物について、CAPCELL PAK ADME S3（2.1 mm i.d. x 150 mm）を用いた測定例を示します。



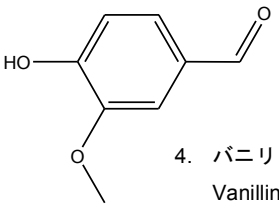
1. ホモバニリン酸 (150 μg/mL)
   Homovanillic acid (M.W. 182.2)



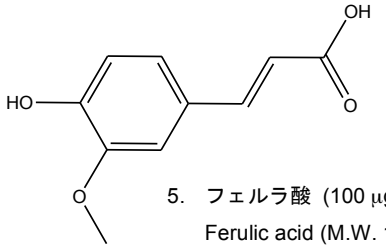
2. カフェ酸 (50 μg/mL)
   Caffeic acid (M.W. 180.2)



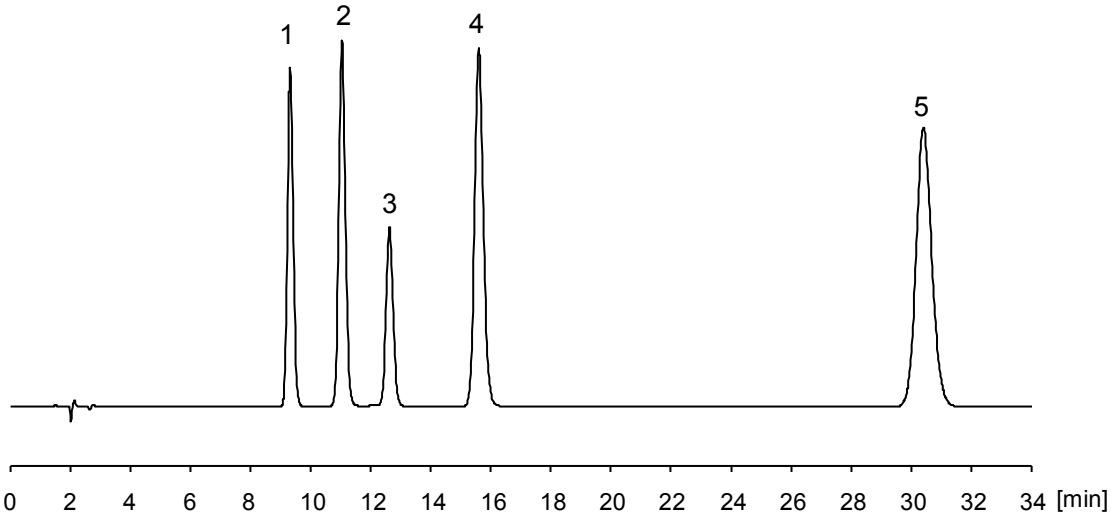
3. バニリン酸 (50 μg/mL)
   Vanillic acid (M.W. 168.2)



4. バニリン (50 μg/mL)
   Vanillin (M.W. 152.2)



5. フェルラ酸 (100 μg/mL)
   Ferulic acid (M.W. 194.2)



【HPLC Conditions】

Column	: CAPCELL PAK ADME S3 ; 2.1 mm i.d. x 150 mm
Mobile phase	: 0.1 vol% HCOOH, H_2O / CH_3OH = 75 / 25
Flow rate	: 200 μL/min
Temperature	: 40 ゜C
Detection	: PDA 280 nm
Inj. vol.	: 1 μL
Sample dissolved in	: The standard compounds were dissolved in 50 vol% CH_3CN at 1 mg/mL, and then, diluted with 10 vol% CH_3CN.