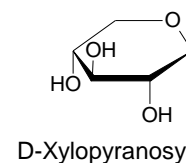
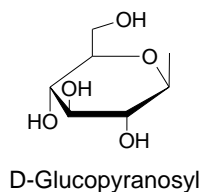
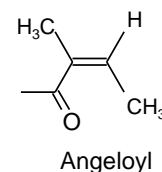
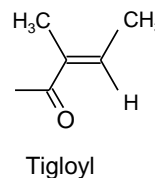
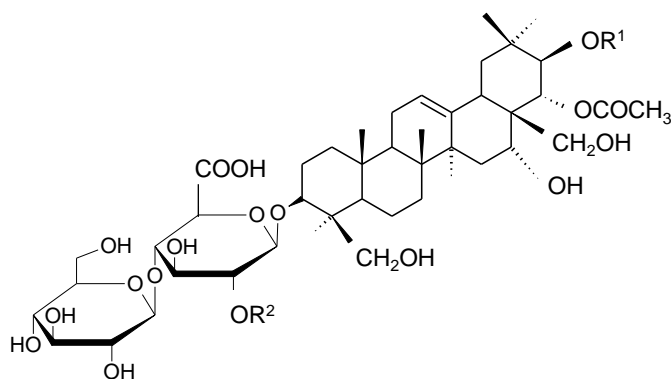
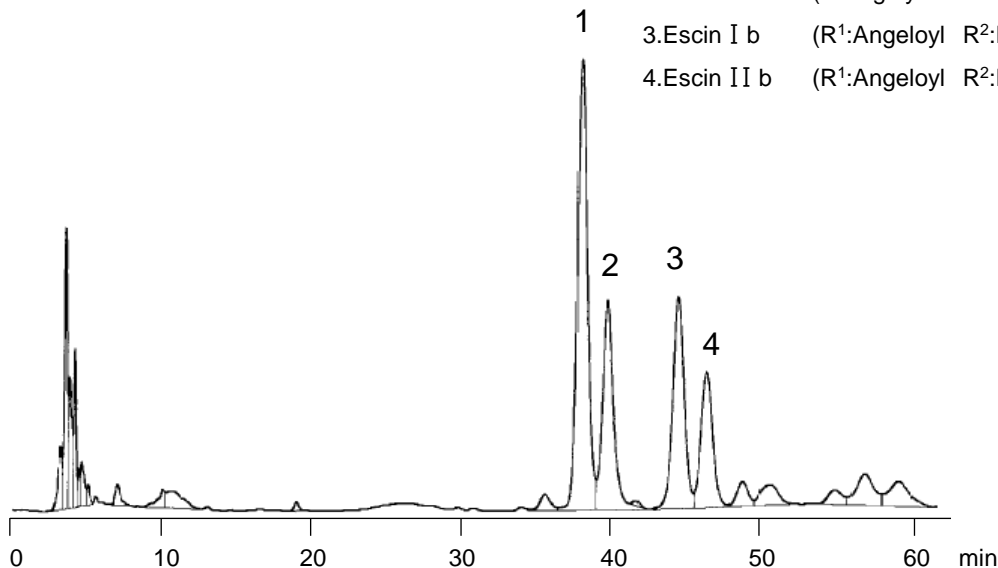


トチノキ種子(栃の実)中のサポニン

Saponins in the seeds of Japanese horse chestnut (*Aesculus turbinata* Blume)

U201117A

- | | | |
|---------------|----------------------------|------------------------------------|
| 1. Escin I a | (R ¹ : Tigloyl | R ² : D-Glucopyranosyl) |
| 2. Escin II a | (R ¹ : Tigloyl | R ² : D-Xylopyranosyl) |
| 3. Escin I b | (R ¹ : Angeloyl | R ² : D-Glucopyranosyl) |
| 4. Escin II b | (R ¹ : Angeloyl | R ² : D-Xylopyranosyl) |



Courtesy of H. Kimura, Kotobuki Seika Co., Ltd.

Column : YMC-Pack ODS-AM (3 μ m, 12 nm)
150 X 6.0 mmI.D.
Eluent : 10 mM sodium phosphate buffer (pH 2.7)/methanol (38/62)
Flow rate : 0.8 mL/min
Temperature : 40°C
Detection : UV at 230 nm
Sample : methanol extract of natural seeds of Japanese horse chestnut

Reference:

H. Kimura, S. Ogawa, M. Jisaka, Y. Kimura, T. Katsube, K. Yokota
Identification of novel saponins from edible seeds of Japanese horse chestnut (*Aesculus turbinata* Blume) after treatment with wooden ashes and their nutraceutical activity, J. Pharm. Biomed. Anal. 41 (2006) 1657–1665