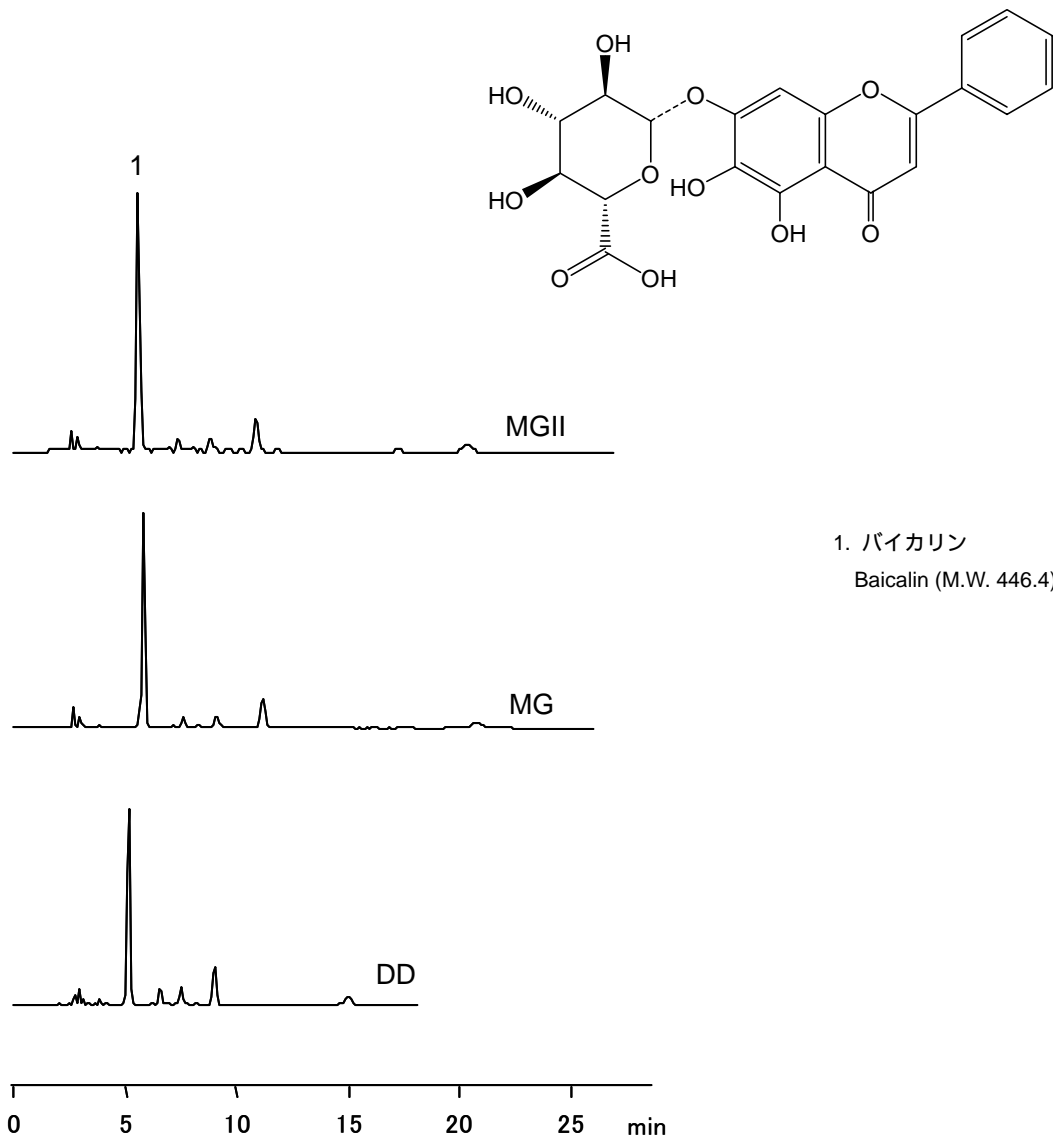


オウゴン中バイカリン

Baicalin

オウゴンは日本薬局方収載の生薬で、消炎、解熱、去痰薬として用いられています。この生薬は、バイカリン、オーゴニンといったフラボン誘導体を含んでいます。

Scutellaria root is one of the crude medicines listed in The Japanese Pharmacopoeia, and used as antiphlogistics, antipyretic, or expectorant. It contains flavone derivatives, such as baicalin and wogonin.



【HPLC Conditions】

Column : CAPCELL PAK C₁₈ MGII S5 ; 4.6 mm i.d. x 150 mm
CAPCELL PAK C₁₈ MG S5 ; 4.6 mm i.d. x 150 mm
CAPCELL PAK C₈ DD S5 ; 4.6 mm i.d. x 150 mm

Mobile phase : 0.685 vol% H₃PO₄ / CH₃CN = 72 / 28

Flow rate : 0.7 mL/min

Temperature : 50 °C

Detection : UV 277 nm

Inj.vol. : 10 μL

Pretreatment : Scutellaria root was ground in a mortar with a pestle. 0.5 g of the ground scutellaria was dispersed in 30 mL of the mobile phase. The dispersion was refluxed on a water bath for 30 min. After cooling it down, the dispersion was filtered with filter paper. The residue was rinsed with the mobile phase. The filtered liquid and the mobile phase used for rinsing were added together and adjusted to 50 mL in a volumetric flask. A small amount of the solution was further filtered with a 0.2-μm filter, diluted 5-fold with the mobile phase, and introduced to HPLC.

※ 1 μg/mL = 1 ppm

【References】

1) The Japanese Pharmacopoeia (14th ~ 15th Edition), 第 14 ~ 15 改正, 日本薬局方