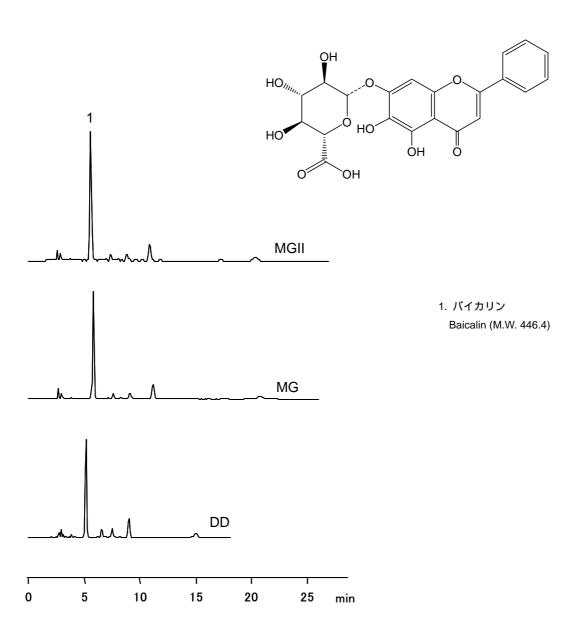
オウゴン中バイカリン

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 C_{18} MG S5 ; 4.6 mm i.d. x 150 mm CAPCELL PAK C_{8} DD S5 ; 4.6 mm i.d. x 150 mm

Mobile phase : $0.685 \text{ vol}\% \text{ H}_3\text{PO}_4 / \text{CH}_3\text{CN} = 72 / 28$

Flow rate : 0.7 mL/min Temperature : 50 $^{\circ}$ C Detection : UV 277 nm Inj.vol. : 10 μ L

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.

 \Re 1 μ g/mL = 1 ppm

[References]

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