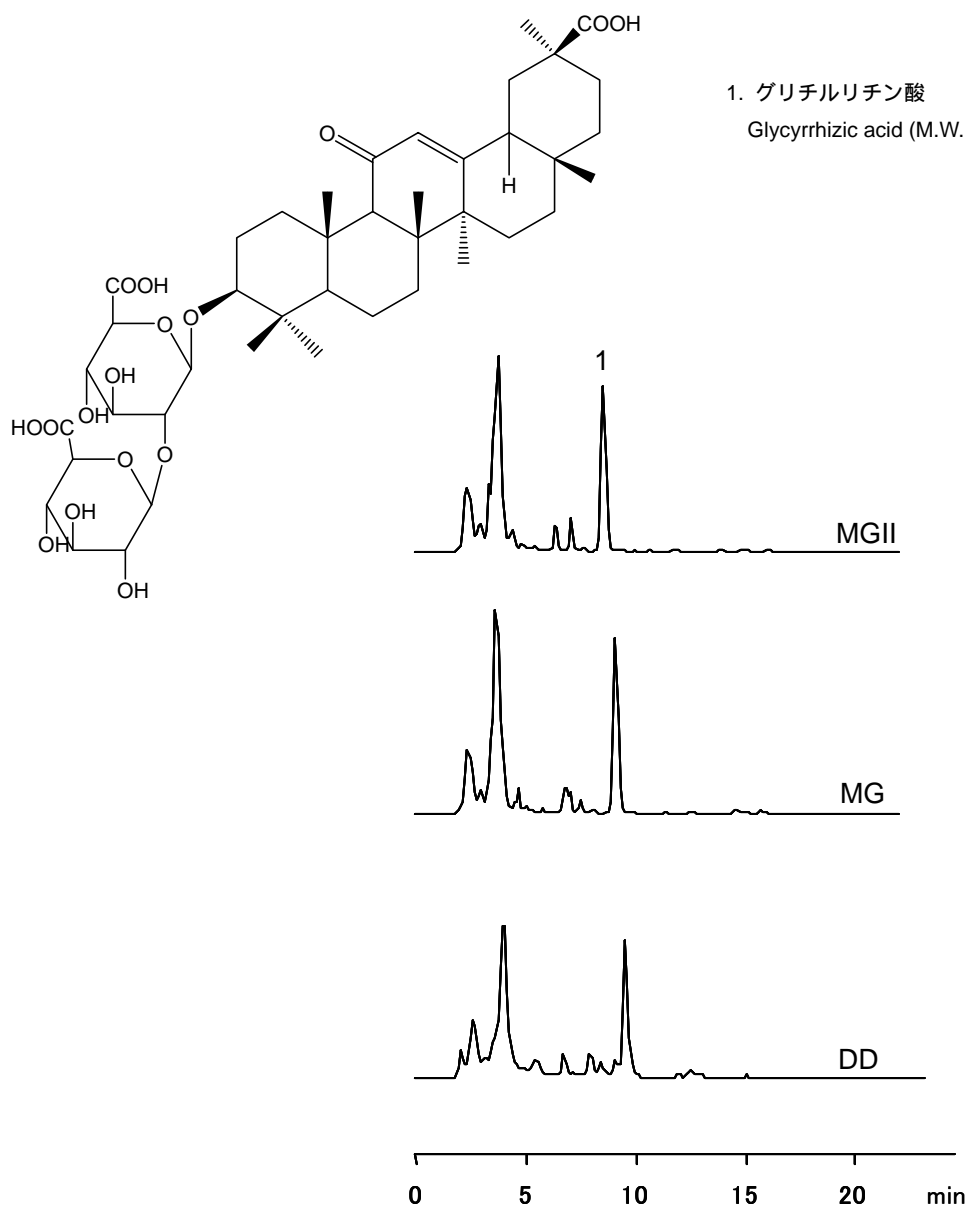


カンゾウ中グリチルリチン酸

Glycyrrhizic acid

カンゾウは日本薬局方収載の生薬であり、漢方処方用薬として解熱鎮痛薬、消炎薬、健胃薬、整腸薬等に配合されています。その有効成分、グリチルリチン酸には抗炎症作用、免疫抑制活性等があります。

Glycyrrhiza is one of the crude medicines listed in The Japanese Pharmacopoeia. It is commonly formulated to antipyretic analgesic, antiphlogistic, stomachic, and antifatulent. Glycyrrhizic acid, its active constituent, is known to have antiinflammation and immunosuppression activities.



【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 : CH₃CN / 2 vol% CH₃COOH = 40 / 60

Flow rate : 0.5 mL/min

Temperature : 20 °C

Detection : UV 254 nm

Inj.vol. : 10 μL

Pretreatment : Glycyrrhiza was cut into small pieces, and ground in a mortar with a pestle. 0.5 g of ground glycyrrhiza was dispersed in 70 mL of solvent (water / methanol = 1 / 1). The dispersion was sonicated for 15 min, and filtered with filter paper. The residue was rinsed with water. The filtered liquid and the water used for rinsing were added together and adjusted to 100 mL in a volumetric flask. A small amount of the solution was further filtered with a 0.2-μm filter, 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