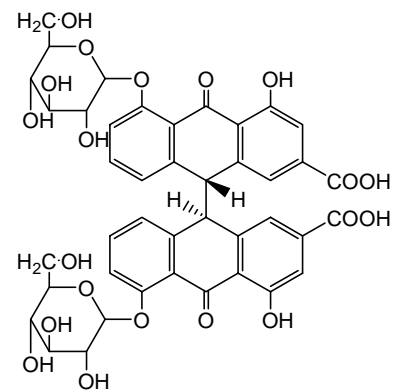
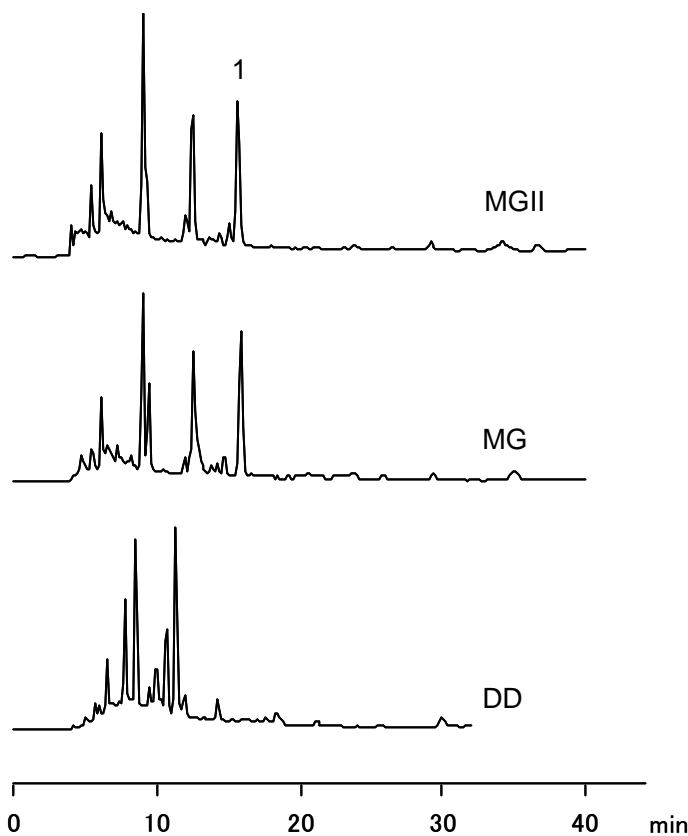


ダイオウ中センノシドA

Sennoside A

ダイオウは日本薬局方収載の生薬です。瀉下薬として用いるほか、多くの漢方処方に配合される応用範囲の広い生薬のひとつです。ダイオウはセンナと同様のセンノシドAを含み、センノシドAの代謝物に瀉下効果があります。

Rhubarb is one of the crude medicines listed in The Japanese Pharmacopoeia. It is used as evacuants, and formulated into many of Chinese medicines. Similar to senna leaf, rhubarb contains sennoside A whose metabolites show an abstersion effect.



1. センノシドA
Sennoside A (M.W. 862.7)

【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 : 1.25 vol% CH₃COOH / CH₃CN = 4 / 1

Flow rate : 0.5 mL/min

Temperature : 40 °C

Detection : UV 340 nm

Inj. vol. : 10 μL

Pretreatment : Rhubarb was cut into small pieces, and ground in a mortar with a pestle. 0.5 g of the ground rhubarb was dispersed in an extracting solution (50 mL, 1 mg/mL NaHCO₃). The dispersion was sonicated for 30 min and filtered with filter paper. A small amount of the filtered 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