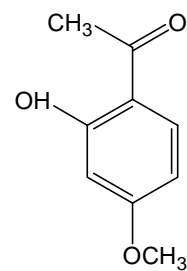
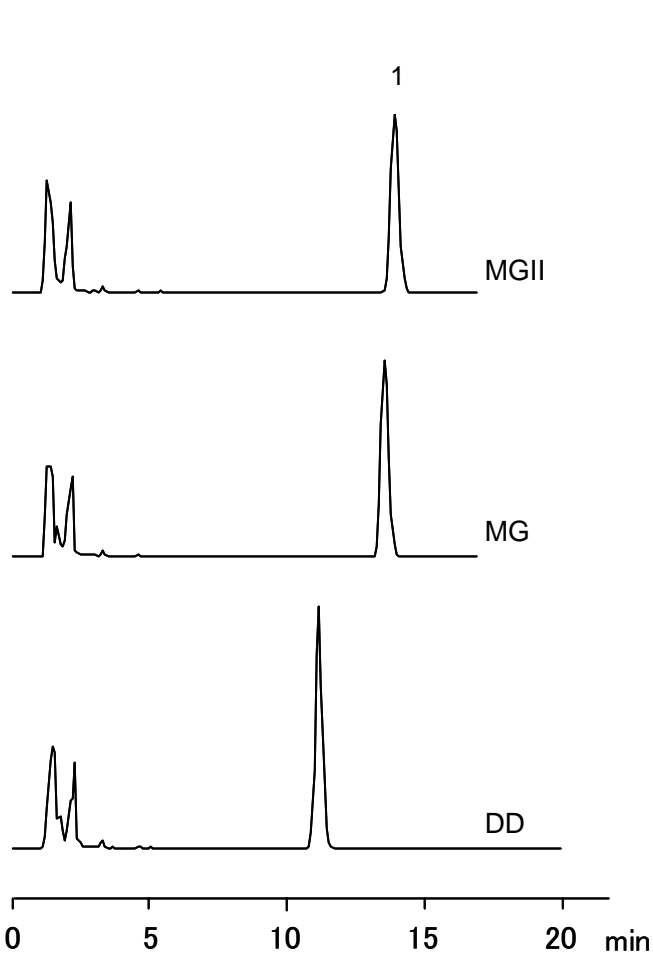


ボタンピ中ペオノール Paeonol

ボタンピは日本薬局方収載の生薬です。ボタンピ含有成分であるペオノールには、薬理作用として鎮静、体温下降、解熱、抗炎症、抗痙攣作用があります。

Moutan bark is one of the crude medicines listed in The Japanese Pharmacopoeia. Paeonol, one of the constituents, shows various pharmacodynamic actions, such as sedative, body-cooling, antipyretic, anti-inflammatory, and antispasmodic effects.



1. ペオノール
Paeonol (M.W. 166.2)

【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 / H₂O / CH₃COOH = 65 / 35 / 2

Flow rate : 0.9 mL/min

Temperature : 20 °C

Detection : UV 274 nm

Inj. vol. : 10 μL

Pretreatment : Moutan bark was cut into small pieces, and ground in a mortar with a pestle. 0.3 g of the ground moutan bark was dispersed in methanol (40 mL). The dispersion was refluxed for 30 min. After cooling it down, the dispersion was filtered with filter paper. The residue was rinsed with methanol. These liquids were added together, and adjusted to 100 mL with methanol. 10 mL of the solution was further diluted to 25 mL with methanol. A small amount of the final solution was 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