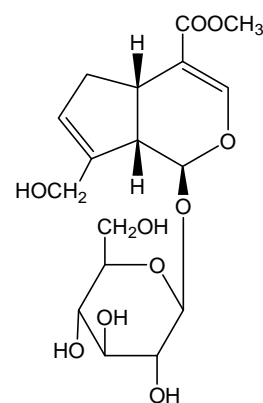
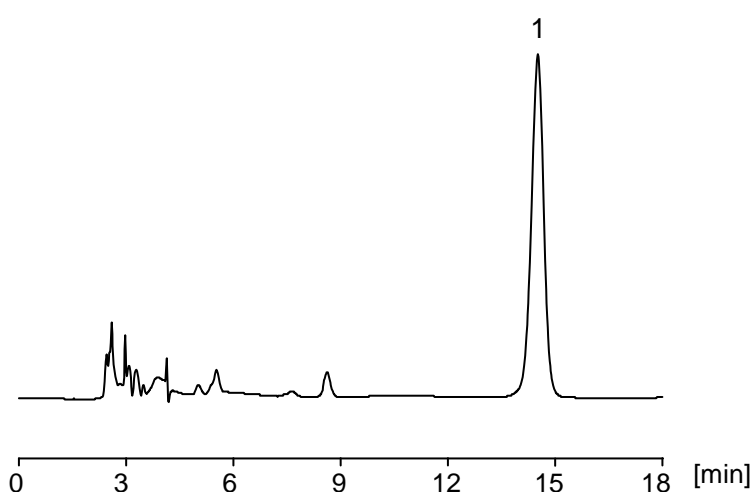


サンシシ中ゲニポシド

Geniposide

サンシシは日本薬局方収載の生薬です。消炎、止血、排膿薬、皮膚疾患用薬、尿路疾患用薬、精神神経用薬として用いられています。サンシシに含まれるゲニポシドには胆汁分泌亢進作用などがあります。

Gardenia fruit is one of the crude medicines listed in The Japanese Pharmacopoeia. It is used as antitumor agent, hemostatic agent, drainage agent, medicine for skin diseases, medicine for urinary passage diseases, and psychoneurotic agent. Geniposide, one of its constituents, has cholera secretion sthenia action.



1. ゲニポシド
Geniposide (M.W. 388.4)

【HPLC Conditions】

Column : CAPCELL PAK C₁₈ MGII S5 ; 4.6 mm i.d. x 150 mm
Mobile phase : H₂O / CH₃CN = 22 / 3
Flow rate : 0.5 mL/min
Temperature : 30 °C
Detection : UV 240 nm
Inj. vol. : 10 μL
Pretreatment : Gardenia fruit was cut into small pieces, and ground in a mortar with a pestle. 0.5 g of the ground gardenia fruit was dispersed in a mixed solvent (40 mL, water / methanol = 1 / 1). The dispersion was sonicated for 15 min and filtered with filter paper. The residue was rinsed with the mixed solvent. The filtered liquid and the mixed solvent 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