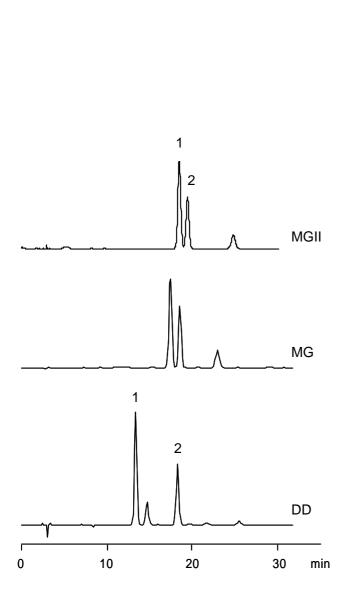
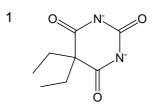
ストリキニーネ

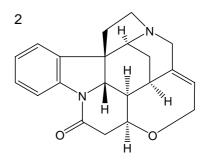
Strychnine

ホミカは日本薬局方収載の生薬です.健胃薬として用いられています.ホミカに含まれるストリキニーネには,少量ならば中枢興奮作用があるとされています.

Nux vomica is listed in The Japanese Pharmacopoeia. It is used as stomachic. Strychnine, one of its constituents, is known to show central excitatory action when used in a small amount.







- 1. バルビタール (I.S.) Barbital (I.S.) (M.W. 182.2)
- 2. ストリキニーネ Strychnine (M.W. 334.4)

[HPLC Conditions]

Column : CAPCELL PAK C_{18} 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 : 50mmol/L KH₂PO₄ (adjusted at pH 3 with phosphoric acid) /

 $CH_3CN / (C_2H_5)_3N = 45 / 5 / 1$

Flow rate : 0.7 mL/min

Temperature : R.T.

Detection : UV 210 nm

Inj. vol. : $5 \mu L$

Sample dissolved in : 1.5 mg of strychnine and 1.0 mg of sodium barbital were dissolved

in 10 mL of the mobile phase.

 $1 \mu g/mL = 1 ppm$

[References]

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