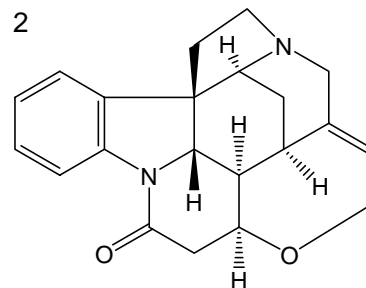
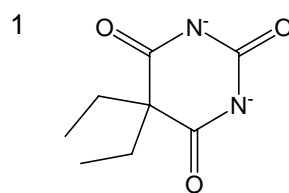
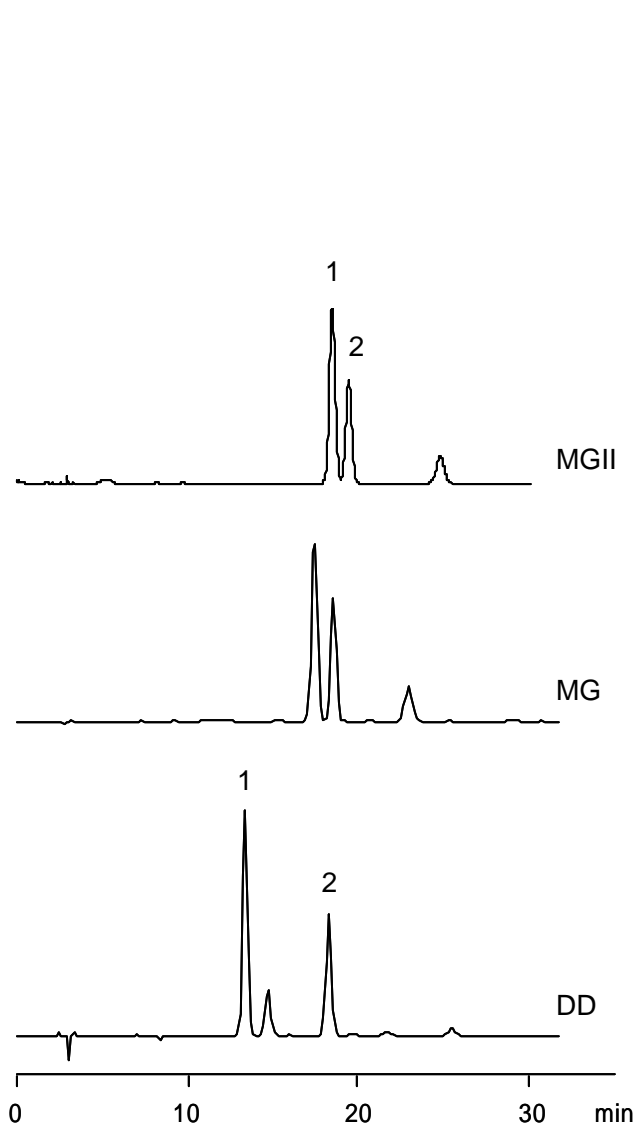


ストリキニーネ Strychnine

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. バルピタール (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 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 : 50mmol/L KH₂PO₄ (adjusted at pH 3 with phosphoric acid) /
CH₃CN / (C₂H₅)₃N = 45 / 5 / 1

Flow rate : 0.7 mL/min

Temperature : R.T.

Detection : UV 210 nm

Inj. vol. : 5 μ 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 μ g/mL = 1 ppm

[References]

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