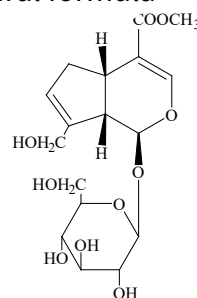


Analysis of Geniposide with a Photodiode Array Detection

Structural formula



Structures are created using Chemistry 4-D Draw which is Provided by Cheminnovation Software, Inc.

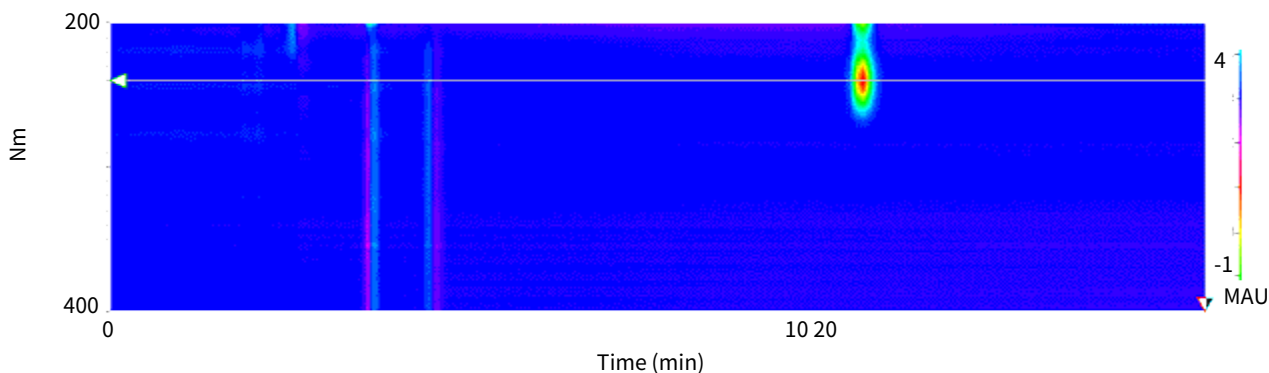
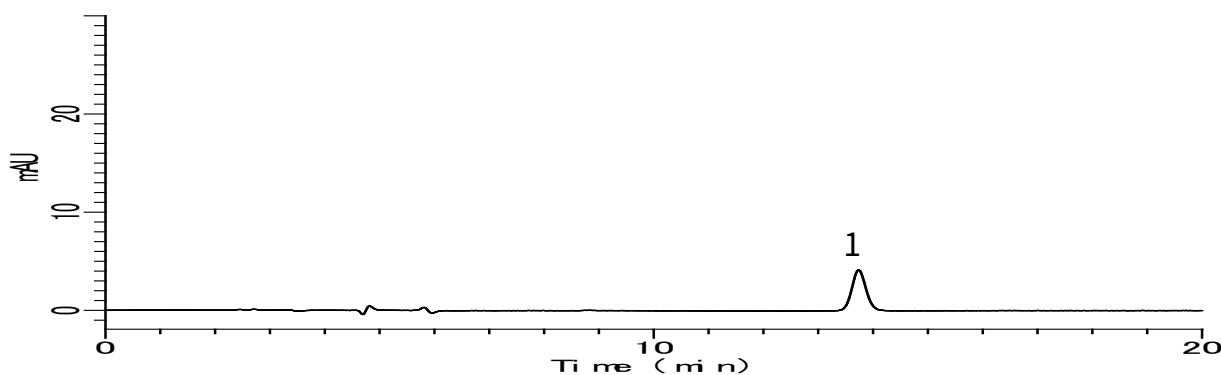
The analysis of geniposide is presented in this application note. Geniposide is obtained from gardenia (hawthorn) and is used as a food additive derived from natural products. It is also considered to be a crude drug listed in the Japanese Pharmacopoeia.

Analysis was performed under the conditions described in the draft formulary for food additives, 8th edition. As a result, it was possible to easily detect geniposide without any influence from contamination.

(K.Suzuki)

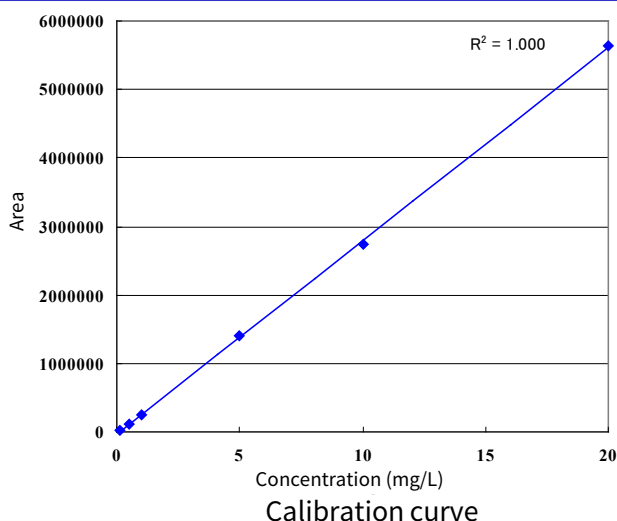
Example: Measurement of standard

1. Geniposide (1.0 mg/L)

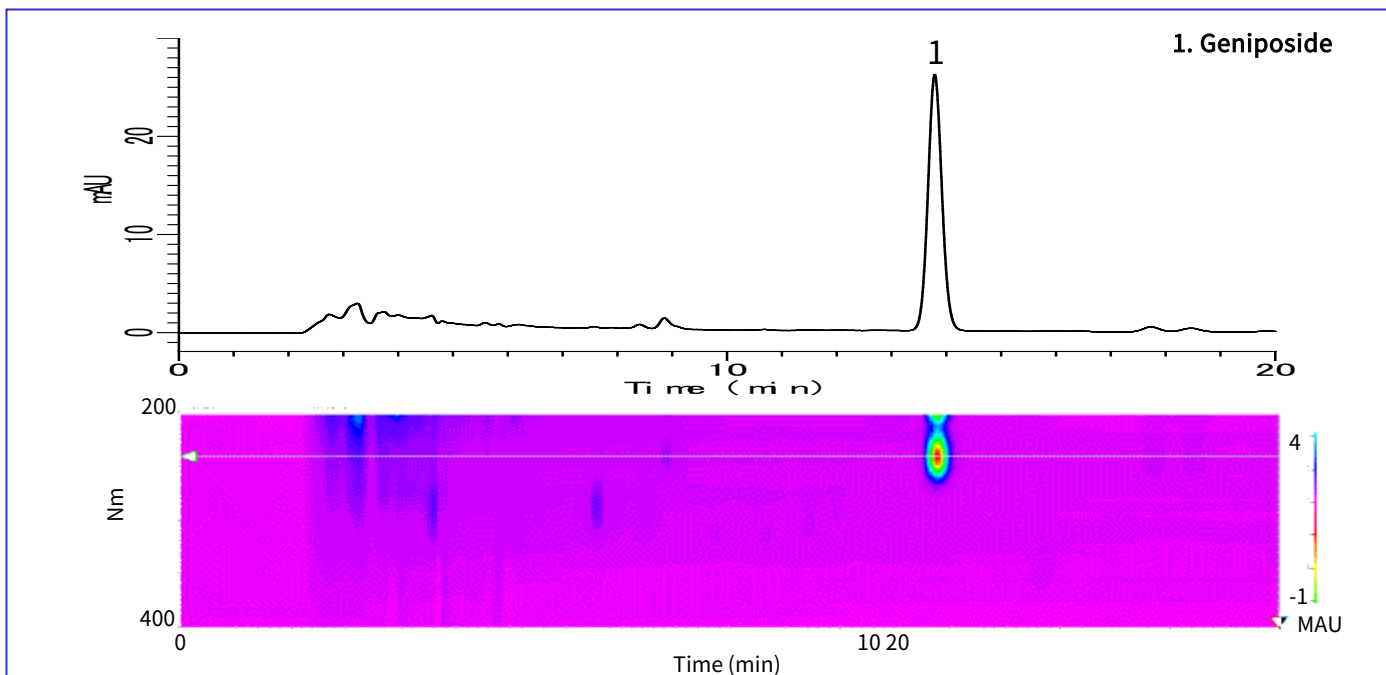


HPLC conditions

Column : Inertsil ODS-SP
 (5 μ m, 150 x 3.0 mm I.D.)
Eluent : A) CH₃CN
 B) H₂O
 A/B = 15/85, v/v
 (gradient mixer)
Flow rate : 0.4 mL/min
Column temperature : 40 °C
Detected : PDA 240 nm
Injection volume : 20 μ L



Examples: Analysis of gardenia extracts



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