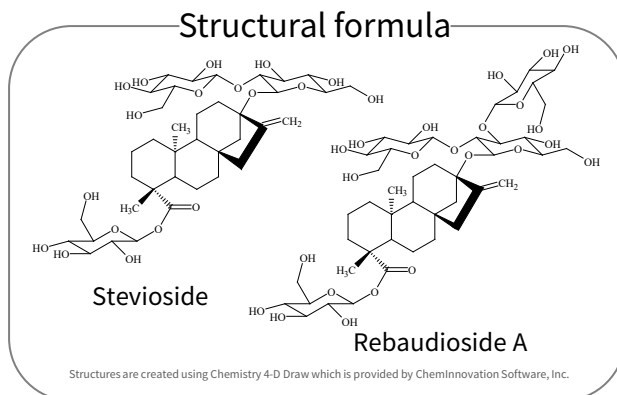


Analysis of Stevioside by HPLC with Photodiode Array Detection

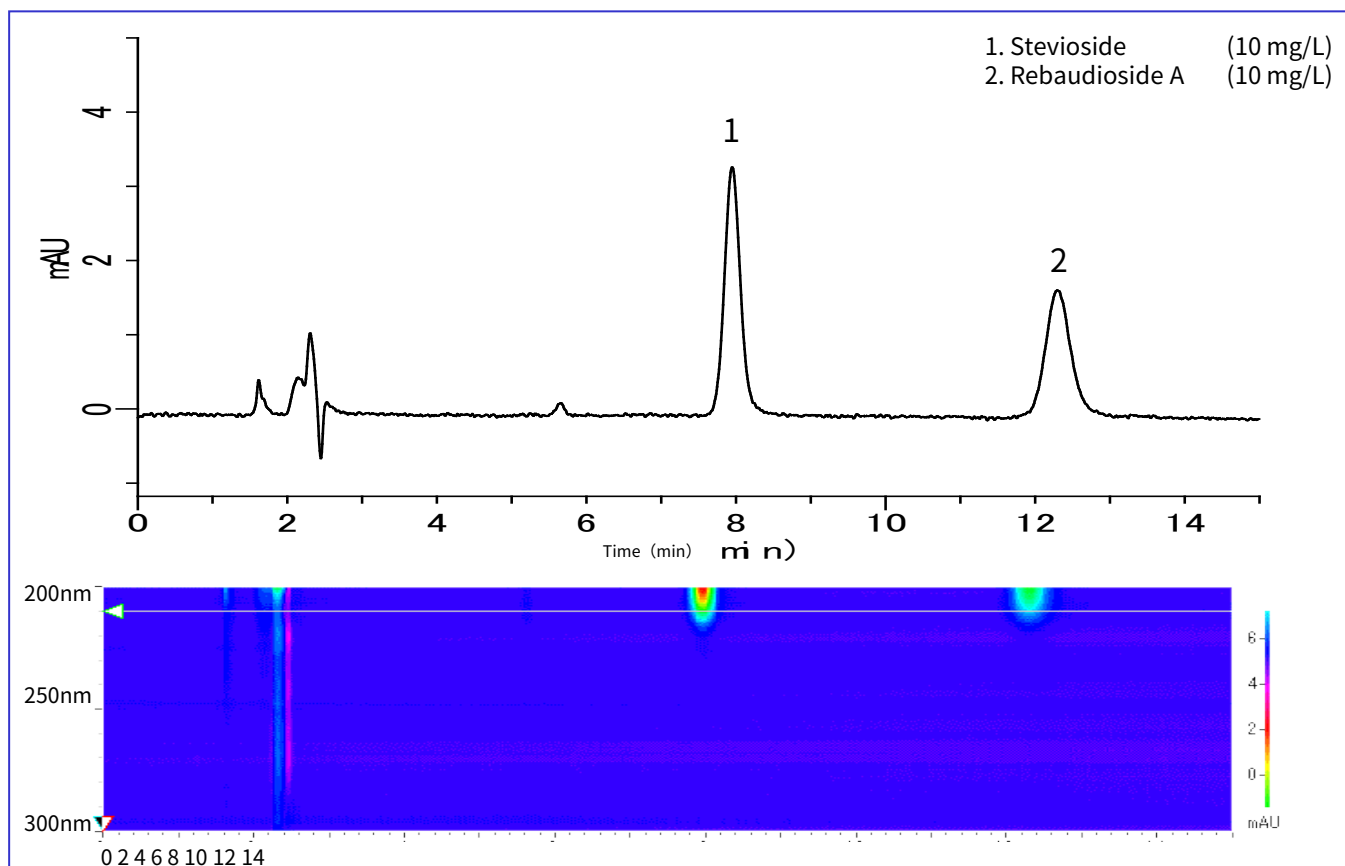
Stevioside is a widely known natural sweetener extracted from the stevia of the family Asteraceae. The major glycoside is rebaudioside A.

The separated peaks were successfully detected using a PDA detector and an aminopropyl column.

(K.Suzuki)



Example: Measurement of standard



HPLC conditions

Column : Inertsil NH2
(5 μ m, 150 x 4.6 mm I.D.)

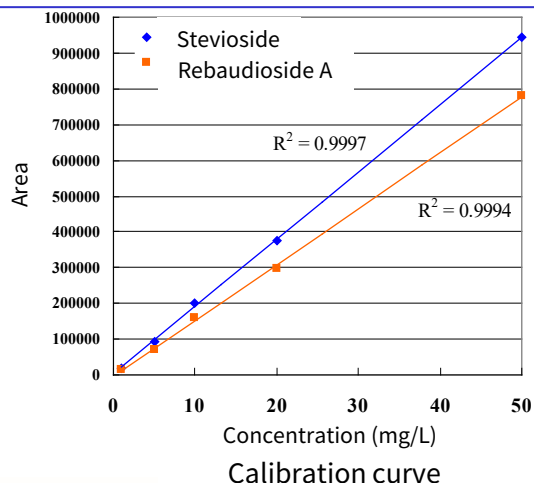
Eluent : A) CH₃ CN
B) H₂O
A/B = 80/20, v/v
(gradient mixer)

Flow rate : 1.0 mL/min

Column temperature : 40 °C

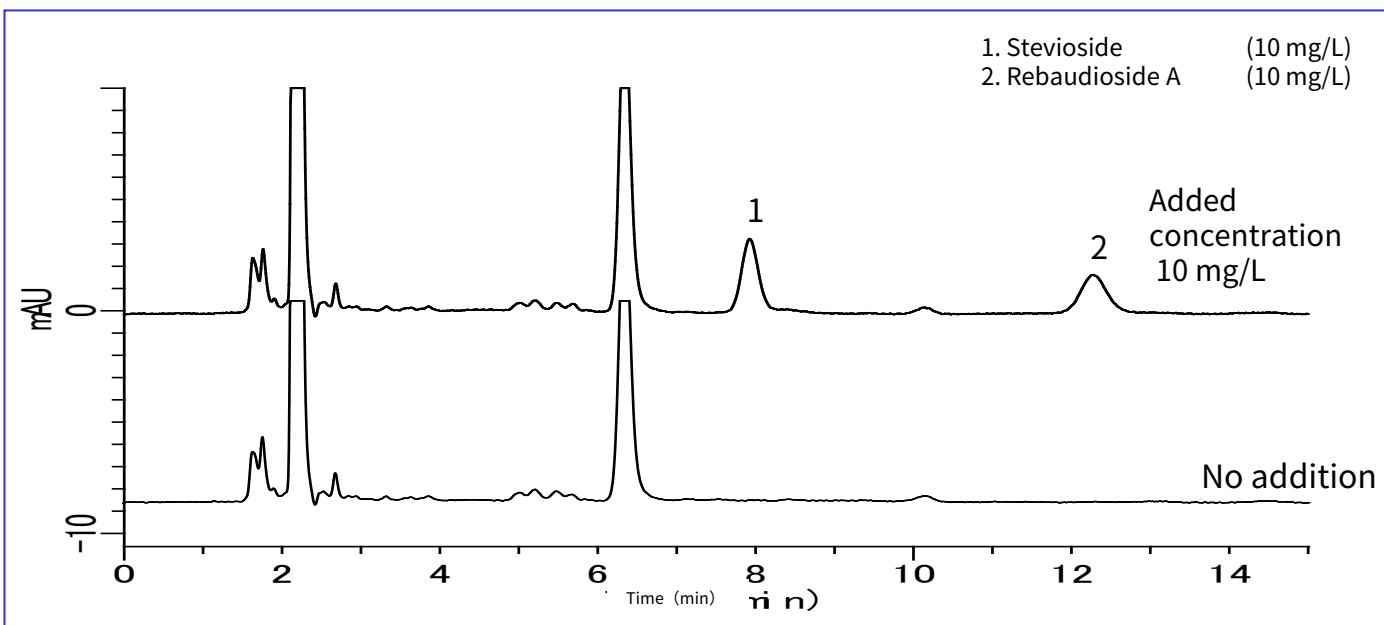
Detected : PDA 210 nm

Injection volume : 20 μ L



Examples: Analysis of soft drinks

The analysis was performed by filtering the samples of soft drinks through a 0.45 μm filter and diluting them equally with acetonitrile.



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