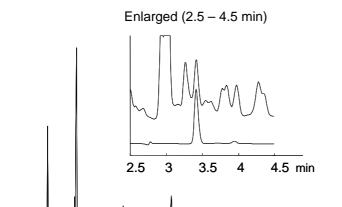
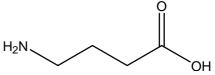


γ-Amino *n*-butyric acid (GABA) (M.W. 103.1)





An extract from chocolate (650 μg/mL, apporoximately)

Standard
0 5 10 min

[HPLC Conditions]

Column : CAPCELL PAK C₁₈ MGII S5 ; 4.6 mm i.d. x 250 mm

Mobile phase : Sodium octane sulfonate was added to a solution {100 mmol/L

phosphate buffer (adjusted at pH2.2 with phosphoric acid) /

 $CH_3CN = 85 / 15$ } at 5 mmol/L.

Flow rate : 1 mL/min
Temperature : 40 °C
Detection : UV 210 nm

Inj. vol. : $5 \mu L$

Sample dissolved in : The standard compound was dissolved in the mobile phase at 1

mg/mL. Chocolate was dispersed in water and chloroform in a separation funnel. After the extraction, the aqueous layer was

filtered with a 0.2-µm filter, and introduced to HPLC.

 \Re 1 μ g/mL = 1 ppm