

アミノ酸の分析 (1)

アミノ酸の1種であるトリプトファンおよびγ-アミノ酪酸(GABA)の分析例を紹介します。カラムには Develosil ANIDIUSを使用しました。

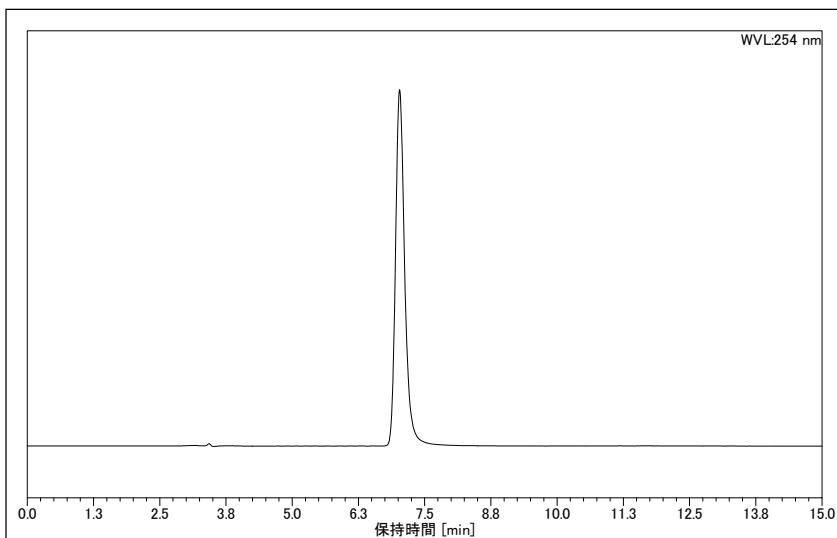


Fig.1 Analysis of Tryptophan(STD)

Conditions;

Column: Develosil ANIDIUS
(4.6x150mm)

Mobile phase:

ACN/10mM Ammonium Formate=70/30

Flow rate: 0.5ml/min

Temperature: 30°C

Detection: UV254nm(PDA)

Sample: L-Tryptophan

Concentration: 10ppm

Injection volume: 10uL

System: DIONEX/Ultimate 3000 Series

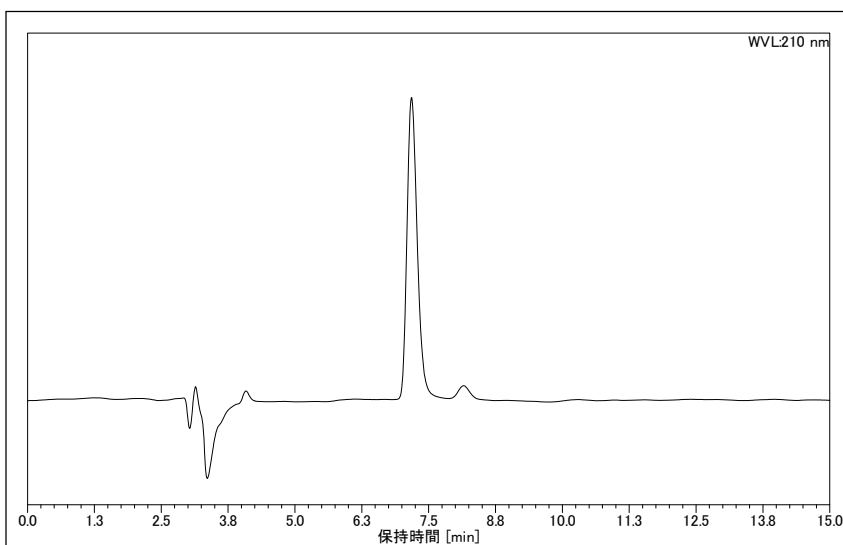


Fig.2 Analysis of GABA(STD)

Conditions;

Column: Develosil ANIDIUS
(4.6x150mm)

Mobile phase:

ACN/10mM Ammonium Formate=60/40

Flow rate: 0.5ml/min

Temperature: 30°C

Detection: UV210nm(PDA)

Sample: GABA

Concentration: 10ppm

Injection volume: 20uL

System: DIONEX/Ultimate 3000 Series