

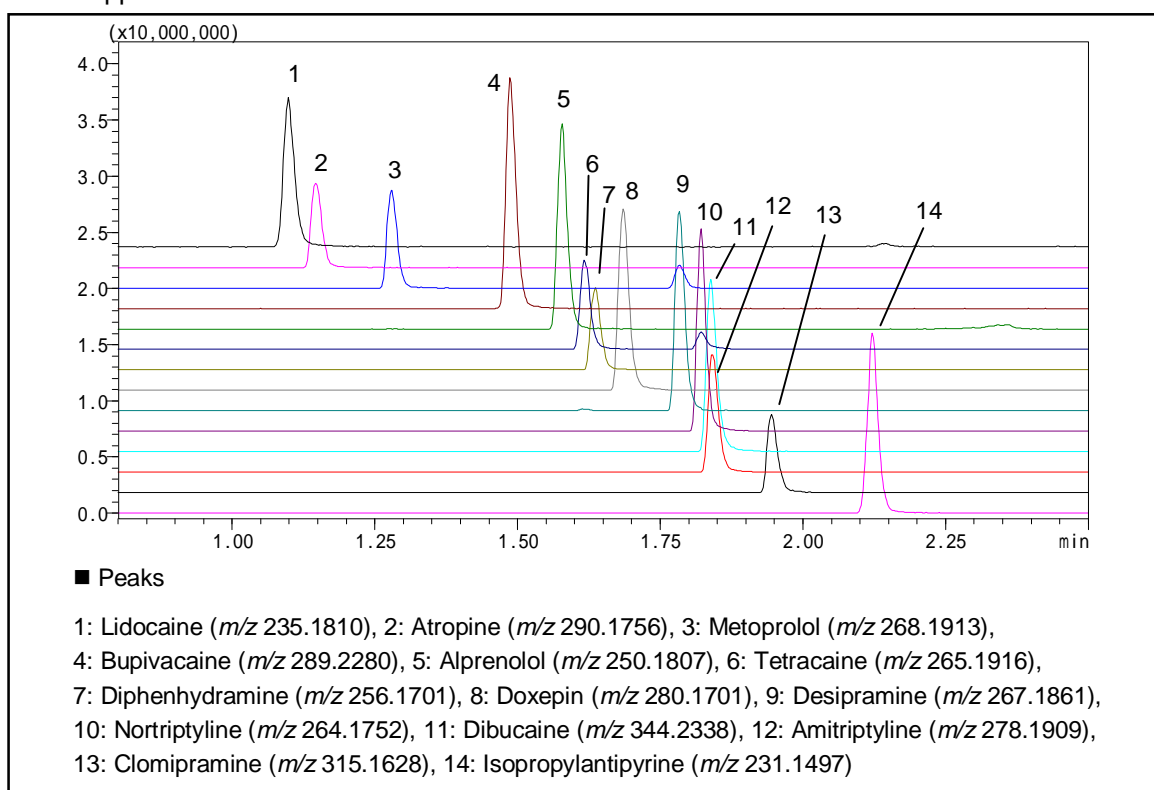
Application Data Sheet

High Performance Liquid Chromatography

No. 23

High-Speed Drug Analysis

Here we conducted the analysis of 14 components found in medical products in 2.5 minutes. We conducted precise mass analysis using an LCMS-IT-TOF and obtained favorable results in all cases, with a less than 5 ppm error.



Analysis of Drug Standard Sample Mixtures

[Sample Preparation]

A solution of 100 ng/mL of each standard sample was prepared.

Analytical Conditions

Instrument	: Prominence UFLC system + LCMS-IT-TOF
Column	: Shim-pack XR-ODS (30 mm x 2.0 mm <i>i.d.</i>)
Mobile Phase	: A) 0.1% Formic acid B) Acetonitrile B.conc; 5% to 70% (0 to 2.5 min)
Flow Rate	: 0.5 mL/min
Column Temperature	: 40 °C
Detection	: MS; ESI-Positive
Sample Volume	: 2 μ L