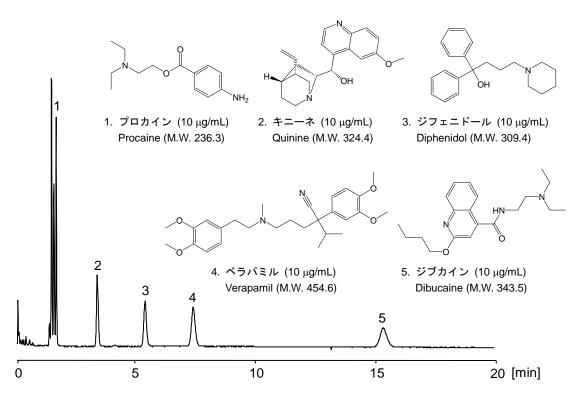
代表的な塩基性化合物5種類をNQADにて測定した分析例を紹介します。NQADは、不揮発性から半揮発性の化合物を測定する検出器です。検出特性を考慮して、カラムにはブリードの少ないCAPCELL PAK C₁₈ MGIII S5(4.6 mm i.d. x 150 mm)を用いました。

The simultaneous determination of 5 typical basic compounds was performed with NQAD detector. NQAD is developed as a Universal HPLC detector to provide exhaustive determination of semi-volatile and nonvolatile compounds, therefore sensitive to the background derived from the analysis system. In response to better detection performance, CAPCELL PAK C₁₈ MGIII S5 (4.6 mm i.d. x 150 mm) with minimized bleeding was applied.



[HPLC Conditions]

Column : CAPCELL PAK C_{18} MGIII S5 ; 4.6 mm i.d. x 150 mm Mobile phase : 20 mmol/L HCOONH₄ (pH 3, HCOOH) / $CH_3OH = 50 / 50$

Flow rate : 1 mL/min Temperature : 40 °C

Detector : NQAD (Evaporation 35 °C, Nebulizer 30 °C, Filter 5 sec)

Inj. vol. : $10 \mu L$

Sample dissolved in : Each standard compound was separately dissolved in CH₃OH

at 1 mg/mL. Equal amount of all the solutions were mixed together, and further diluted to 10 μg/mL with 20 % CH₃OH.

% 1 μ g/mL = 1 ppm



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