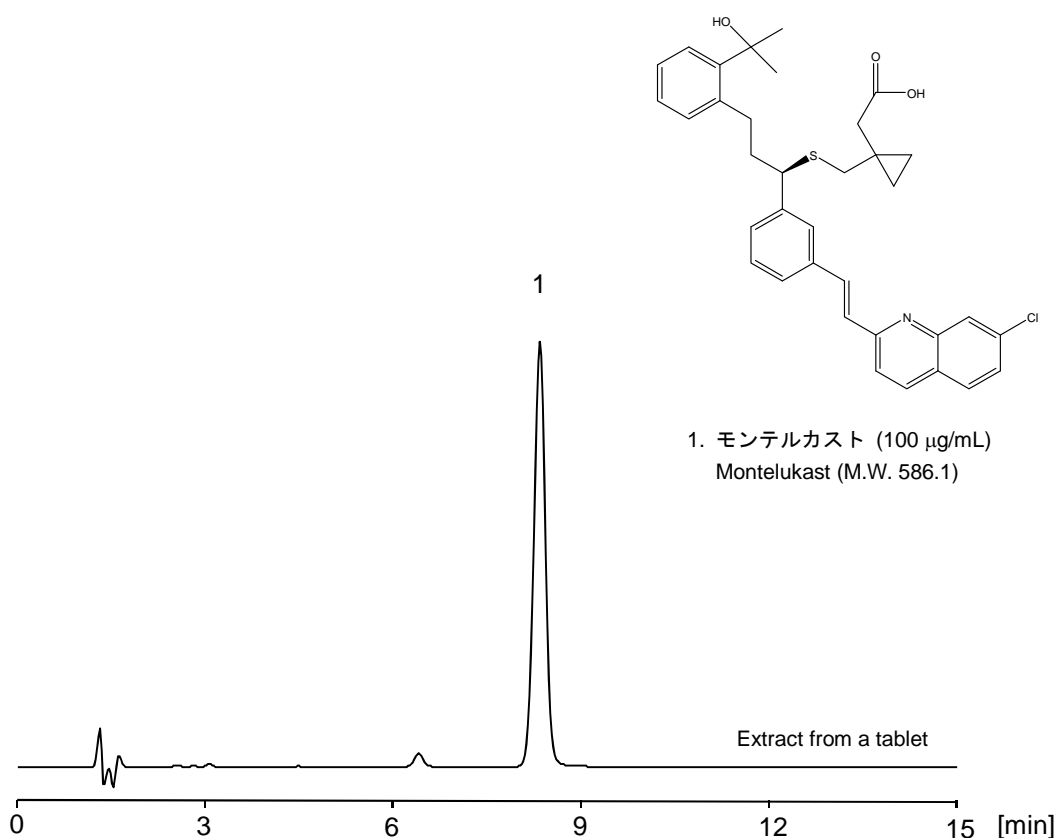


モンテルカスト

Montelukast

気管支喘息並びに季節性アレルギー疾患などの治療に用いられるモンテルカストの製剤を、CAPCELL PAK C₁₈ MGII S5 (2.0 mm i.d. x 150 mm) を用いて分析した例を示します。錠剤を粉砕した後、移動相によりモンテルカストを抽出し、その抽出液を分析しました。

Montelukast is a drug used to treat seasonal allergic diseases and bronchial asthma. It was analyzed by using CAPCELL PAK C₁₈ MGII S5 (2.0 mm i.d. x 150 mm). After grinding of the tablets, montelukast were extracted by the mobile phase. The extracted sample was applied on the column.



【HPLC Conditions】

Column	: CAPCELL PAK C ₁₈ MGII S5 ; 2.0 mm i.d. x 150 mm
Mobile phase	: 10 mmol/L HCOONH ₄ / CH ₃ CN = 30 / 70
Flow rate	: 200 $\mu\text{L/min}$
Temperature	: 40 °C
Detection	: UV 328 nm
Inj. vol.	: 2 μL
Sample dissolved in	: Montelukast was extracted from a tablet. The extract was diluted with mobile phase so that the final concentration is supposed to be 100 $\mu\text{g/mL}$.
	※ 1 $\mu\text{g/mL}$ = 1 ppm