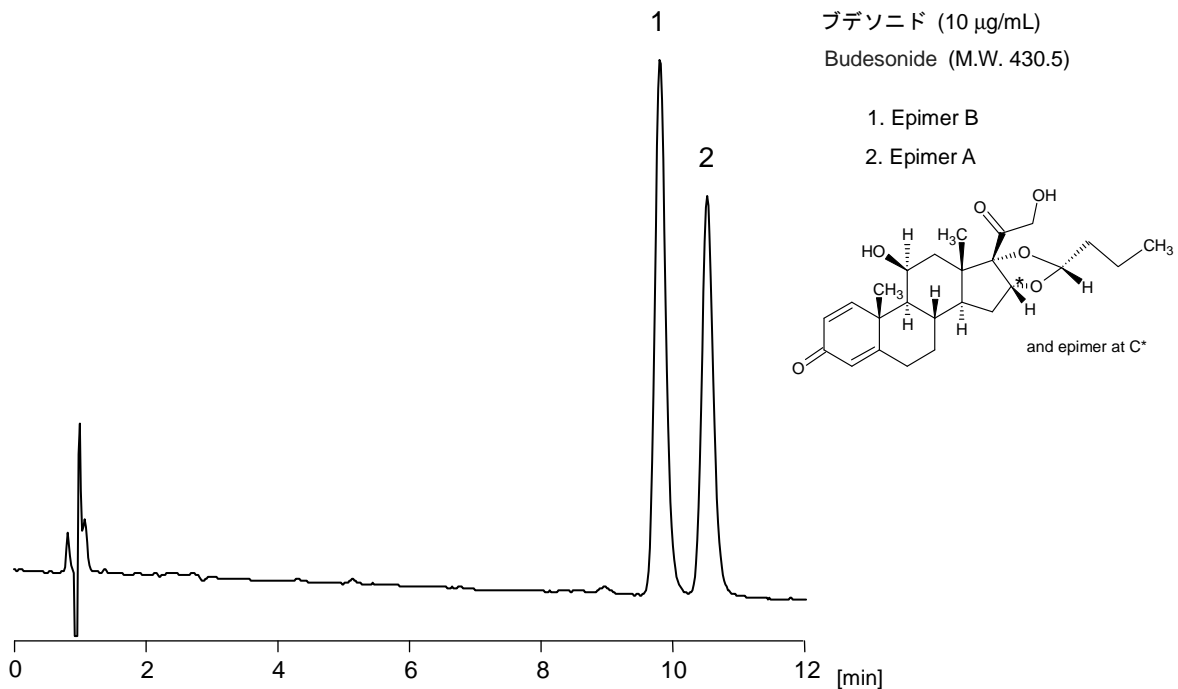


## ブデソニド

## Budesonide

ブデソニドは副腎皮質ホルモン的一种で、気管支喘息の治療に用いられる化合物です。CAPCELL CORE C<sub>18</sub> S2.7 (2.1 mm i.d. x 100 mm) を用い分析した例を示します。EP に収載された方法とはカラム内径やカラム長は異なりますが、分析時間は大幅に短縮され、EP が規定する分離度 (1.5 以上) も達成しました。

Budesonide is one of the adrenocortical hormones, and is used to treat bronchial asthma. According to European Pharmacopoeia, an isocratic elution was performed with CAPCELL PAK C<sub>18</sub> MGIII S3 (4.6 mm i.d. x150 mm). While inner diameter and length of column were altered from those described in the method, the required resolution value (1.5 and greater) was passed under largely reduced time of analysis.



### 【HPLC Conditions】

Column : CAPCELL CORE C<sub>18</sub> S2.7 ; 2.1 mm i.d. x 100 mm  
Mobile phase : H<sub>2</sub>O (adjusted at pH 3.2 with phosphoric acid) / CH<sub>3</sub>CN / Ethanol  
= 68 / 32 / 2  
Flow rate : 200 µL/min  
Temperature : 50 °C  
Detection : UV 240 nm  
Inj. vol. : 2 µL  
Sample dissolved in : H<sub>2</sub>O (adjusted at pH 3.2 with phosphoric acid) / CH<sub>3</sub>CN = 3 / 7  
(10 µg/mL as budesonide)