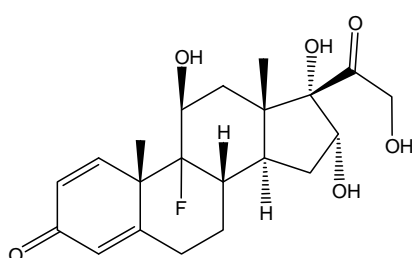
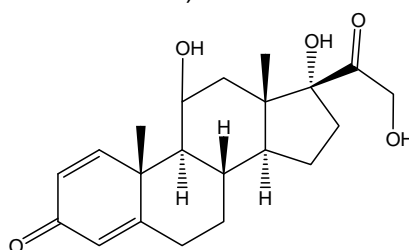


ステロイド骨格を有する化合物 7 種の分析例を示します。カラムには CAPCELL CORE C<sub>18</sub> S2.7 (2.1 mm i.d. x 100 mm) を用い、流速は通常の流速 200  $\mu$ L/min の 3 倍としました。各成分は良好なピーク形状で、12 分で完全に分離しました (圧力: 装置とカラムの分を含め最大 38.2 MPa)。

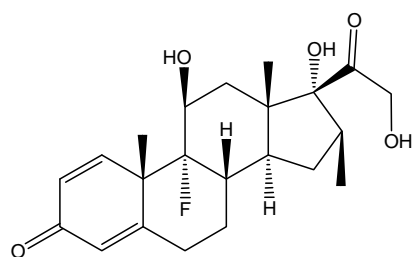
Seven steroids were efficiently separated with CAPCELL CORE C<sub>18</sub> S2.7 (2.1 mm i.d. x 100 mm) at a flow rate of 600  $\mu$ L/min, three times that commonly used. Each steroid showed a good peak shape, and all the components were baseline separated within twelve minutes (max. pressure: 38.2 MPa, across the column and the instruments).



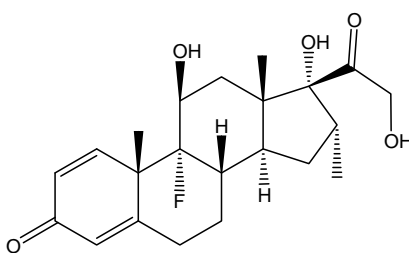
1. トリアムシノロン (50  $\mu$ g/mL)  
Triamcinolone (M.W. 394.4)



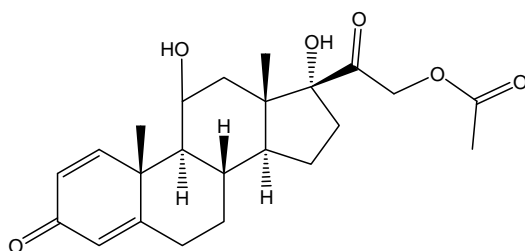
2. プレドニゾロン (50  $\mu$ g/mL)  
Prednisolone (M.W. 360.4)



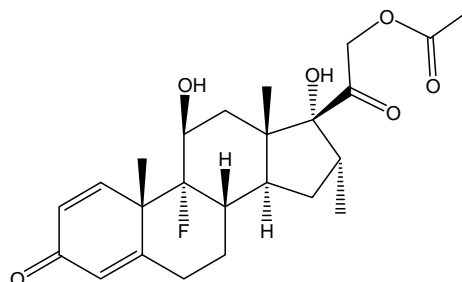
3. ベタメタゾン (50  $\mu$ g/mL)  
Betamethasone (M.W. 392.5)



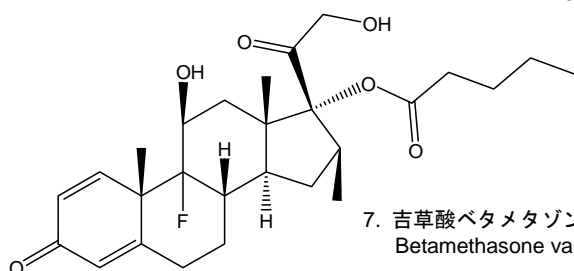
4. デキサメタゾン (50  $\mu$ g/mL)  
Dexamethasone (M.W. 392.5)



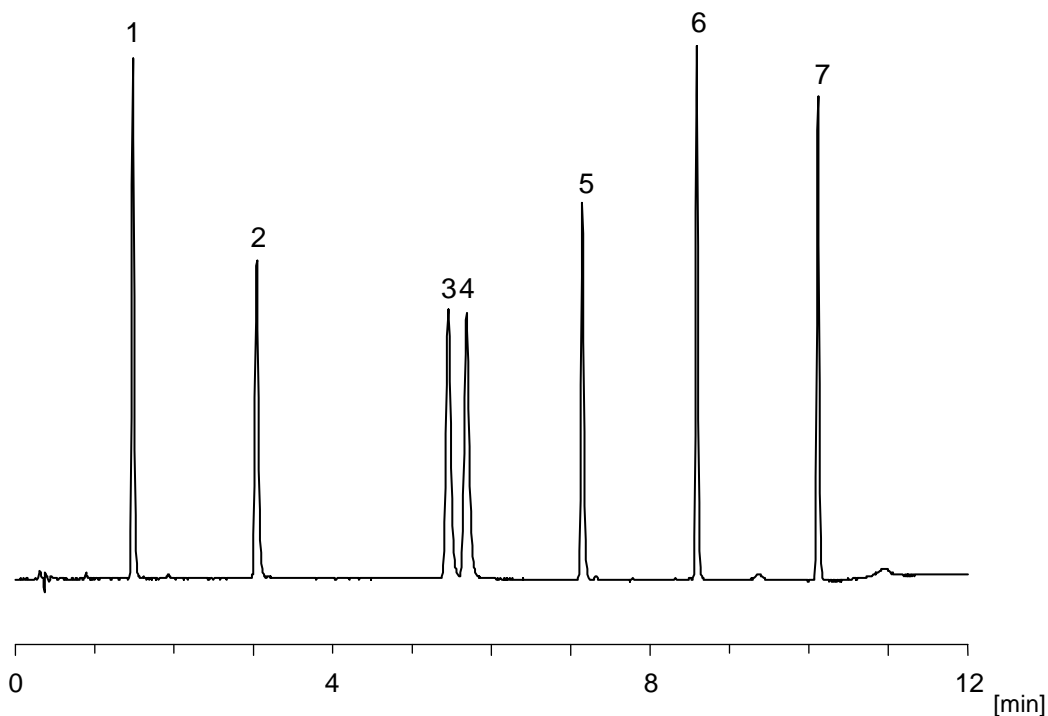
5. 酢酸プレドニゾロン (50  $\mu$ g/mL)  
Prednisolone acetate (M.W. 402.5)



6. 酢酸デキサメタゾン (50  $\mu$ g/mL)  
Dexamethasone acetate (M.W. 434.5)



7. 吉草酸ベタメタゾン (50  $\mu$ g/mL)  
Betamethasone valerate (M.W. 476.6)



**【HPLC Conditions】**

Column : CAPCELL CORE C<sub>18</sub> S2.7 ; 2.1 mm i.d. x 100 mm  
Mobile phase : A) H<sub>2</sub>O, B) CH<sub>3</sub>CN  
                  B 20 % (0 min) → 25 % (5.5 min) → 50 % (10.0 min) →  
                  20 % (10.5 min) Gradient  
Flow rate : 600 μL/min  
Temperature : 40 °C  
Detection : UV 240 nm  
Inj. vol. : 1 μL  
Sample dissolved in : CH<sub>3</sub>CN