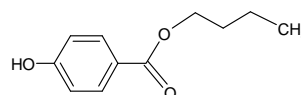


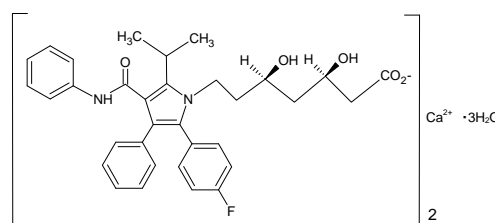
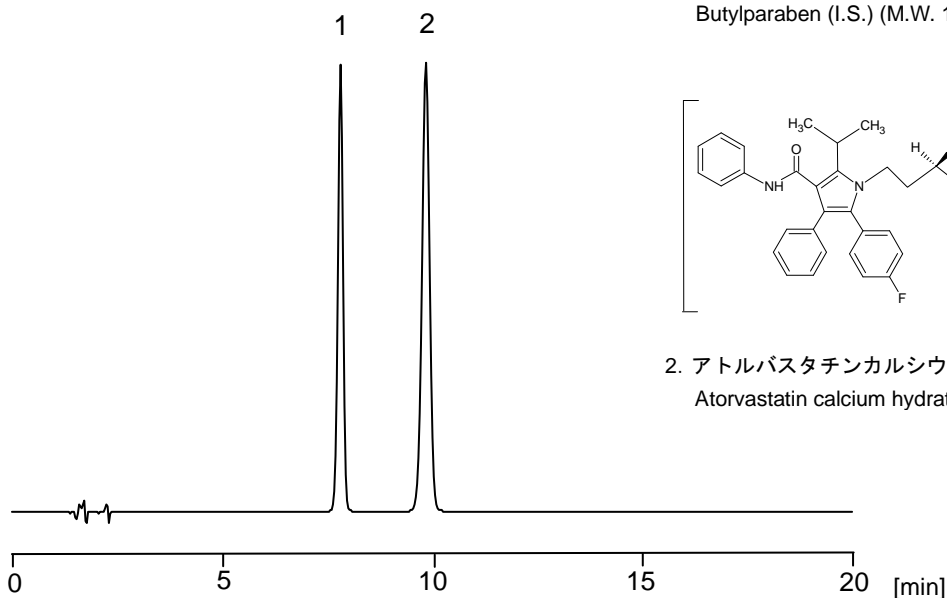
アトルバスタチンカルシウム水和物 Atorvastatin calcium hydrate

アトルバスタチンカルシウム水和物は、高コレステロール血症の治療薬として使われています。日本薬局方第十六改正に記載されている定量法に従い、CAPCELL PAK C₁₈ MGII S5 (4.6 mm i.d. x 250 mm) を用い測定しました。

Atorvastatin calcium hydrate is used to treat hypercholesterolemia. CAPCELL PAK C₁₈ MGII S5 (4.6 mm i.d. x 250 mm) was applied to its determination described in the Japanese Pharmacopoeia, the 16th edition.



1. パラオキシ安息香酸ブチル (I.S.) (130 µg/mL)
Butylparaben (I.S.) (M.W. 194.2)



2. アトルバスタチンカルシウム水和物 (400 µg/mL)
Atorvastatin calcium hydrate (M.W. 1209.4)

【HPLC Conditions】

Column : CAPCELL PAK C₁₈ MGII S5 ; 4.6 mm i.d. x 250 mm
 Mobile phase : Citrate buffer* / CH₃CN / THF = 53 / 27 / 20
 Flow rate : 1.3 mL/min
 Temperature : 25 °C
 Detection : UV 254 nm
 Inj. vol. : 10 µL
 Sample dissolved in : Standard compound and butylparaben (internal standard) were dissolved in H₂O / CH₃CN = 1 / 1 at 400, and 130 µg/mL, respectively.

* Dissolve 10.5 g of citric acid monohydrate in 900 mL of water, and then, adjust its pH at 4.0 with 28 % ammonia water. Finally, add water to the solution to make its volume 1000 mL.

※1 µg/mL = 1 ppm