

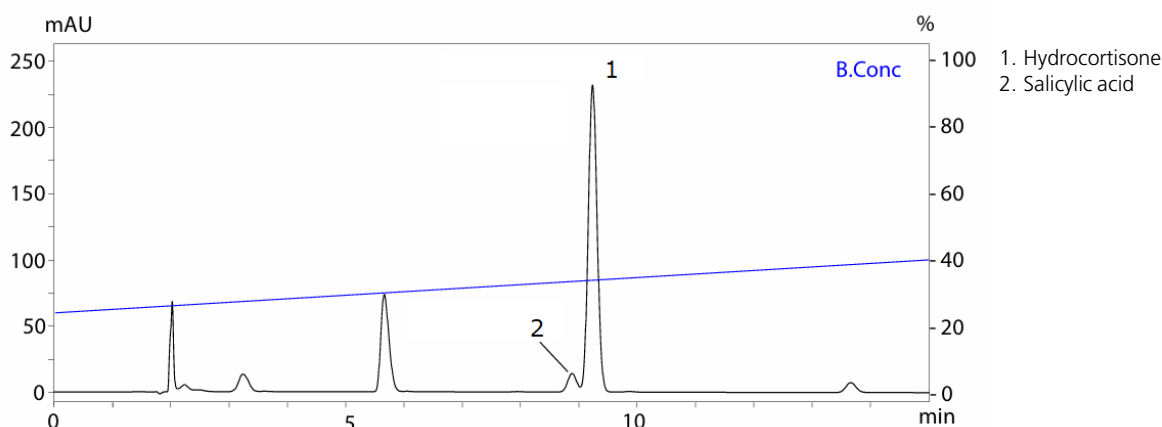
CoreFocus Report

No.581

LC-MS Reversed-phase Shim-pack™ Series

Shim-pack Scepter™ C18-120 Analysis of Hydrocortisone

Keywords: Steroid, Pharmacokinetics



[HPLC conditions] (Nexera™ X3)

Column	: Shim-pack Scepter C18-120, 150 mm x 4.6 mm I.D., 5 µm ¹
Injection volume	: 10 µL
Mobile phases	: A) 0.1 % formic acid in water B) Acetonitrile
Time program	: B conc. 25 %(0 min) → 45 %(20 min) → 25 %(20.01-25 min)
Column temp.	: Ambient
Flow rate	: 1 mL/min
Sample loop size	: 500 µL
Syringe size	: 500 µL
Detection	: PDA at 245 nm (conventional cell)

[MS conditions] (LCMS-2050)

Ionization	: ESI/APCI (DUIS™), positive and negative
Mode	: SCAN (<i>m/z</i> 100 -500)
Nebulizing gas flow	: 2.0 L/min (N ₂)
Drying gas flow	: 5.0 L/min (N ₂)
Heating gas flow	: 7.0 L/min (N ₂)
DL temperature	: 200 °C
Desolvation temperature	: 450 °C
Interface voltage	: 3.0/-2.0 kV(positive/negative)

1*: P/N : 227-31020-05

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