

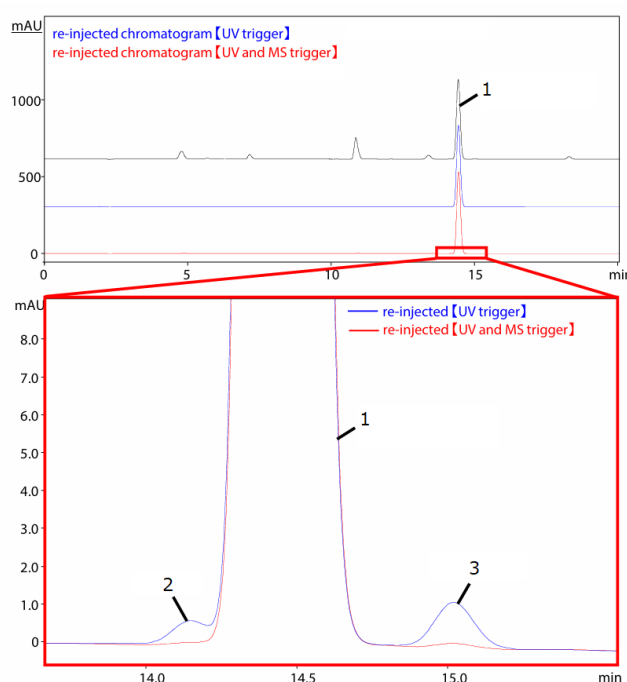
CoreFocus Report

No.582

LC-MS Reversed-phase Shim-pack™ Series

Shim-pack Scepter™ C18-120 Analysis of Hydrocortisone

Keywords: Steroid, High Purity Preparative Purification



[HPLC conditions] (Nexera™ X3)

Column : Shim-pack Scepter C18-120,
150 mm x 20 mm I.D., 5 μm*1
Injection volume : 10 mL
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 (Prep) : 20 mL/min
Flow rate (Makeup) : 1.5 mL/min (Methanol)
Sample loop size : 2 mL
Syringe size : 5 mL
Detection : PDA at 245 nm (conventional cell)

1*: P/N : 227-31102-03

Source : Application News 01-00651 ([JP](#), [ENG](#))

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[MS conditions] (LCMS-2050)

Ionization : ESI/APCI (DUIS™) Positive and negative
Mode : Scan (m/z 100 -500)
Nebulizing gas flow : 2.0 L/min (N₂)
Drying gas flow : 5.0 L/min (N₂)
Heating gas flow : 7.0 L/min (N₂)
DL temperature : 200 °C
Desolvation temperature : 100 °C
Interface voltage : 3.0/-2.0 kV(positive/negative)

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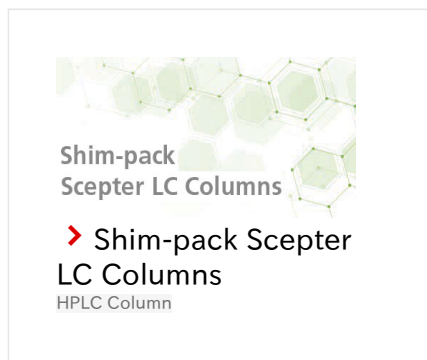
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