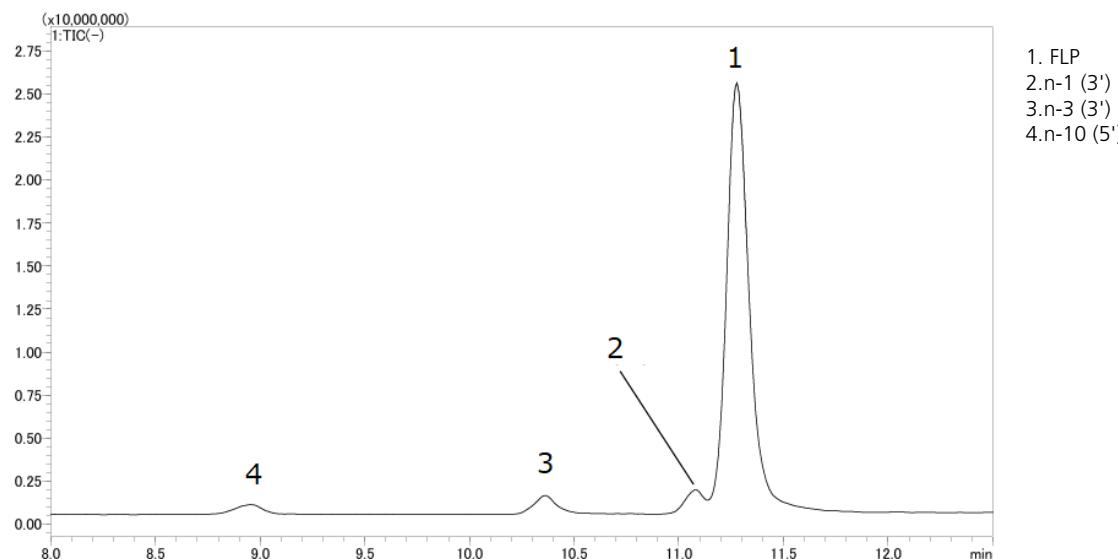


CoreFocus
Report
No.583

LC-MS Reversed-phase Shim-pack™ Series

Shim-pack Scepter™ Claris C18-300
Analysis of Impurities in Oligonucleotide Therapeutics

Keywords: Quality control, Purity confirmation, Bio inert coating column


[HPLC conditions] (Nexera™ XS inert)

Column	: Shim-pack Scepter Claris C18-300, 100 mm x 2.1 mm I.D., 1.9 μ m ¹
Flow rate	: 0.3 mL/min
Mobile phases	: A) 100 mmol/L HFIP and 10 mmol/L TEA in water B) Methanol
Time program	: 10 % B (0 min) \rightarrow 35 % B (15 min) \rightarrow 40 % B (20 min) \rightarrow 90 % B (20.1 - 22 min) \rightarrow 10 % B (22.1 - 26 min)
Column temp.	: 60 °C
Injection volume	: 6 μ L
Detection	: PDA at 190 nm - 400 nm

1*: P/N : 227-31209-02

[MS conditions] (LCMS-2050)

Ionization	: ESI/APCI (DUIS™), negative mode
Mode	: Scan (m/z 550 -2000)
Nebulizing gas flow	: 3.0 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	: 400 °C
Interface voltage	: -3.0 kV

 Source : Application News 01-00656 ([JP](#), [ENG](#))

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