

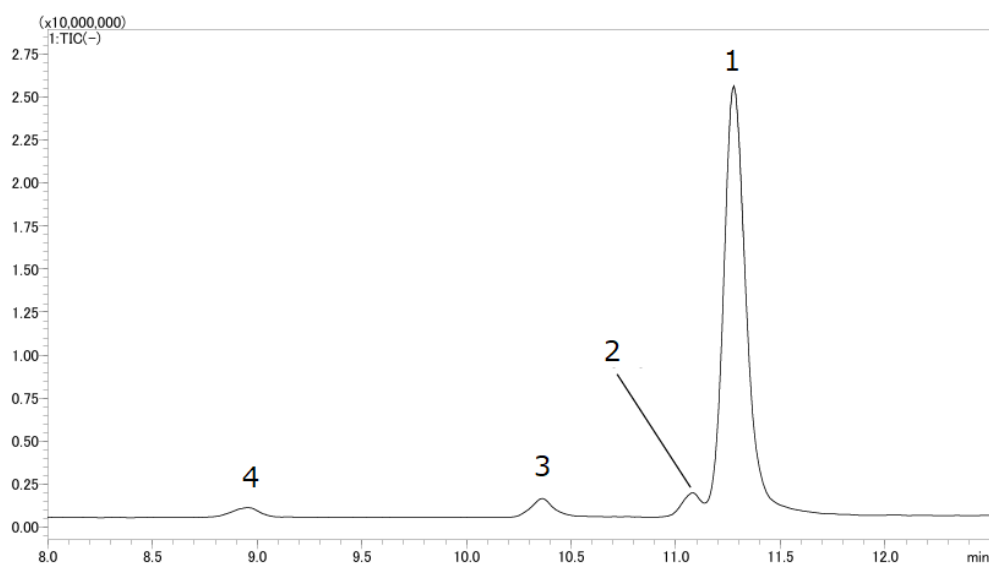
CoreFocus
Report
No.583

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



1. FLP
2. n-1 (3')
3. n-3 (3')
4. n-10 (5')

[HPLC conditions] (Nexera™ XS inert)

Column : Shim-pack Scepter Claris C18-300,
100 mm x 2.1 mm I.D., 1.9 μm⁺
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) → 35 % B (15 min) →
40 % B (20min) → 90 % B (20.1 -22
min) →
10 % B (22.1 – 26 min)
Column temp. : 60 °C
Injection volume : 6 μL
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 (N₂)
Drying gas flow : 5.0 L/min (N₂)
Heating gas flow : 7.0 L/min (N₂)
DL temperature : 200 °C
Desolvation temperature : 400 °C
Interface voltage : -3.0 kV

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

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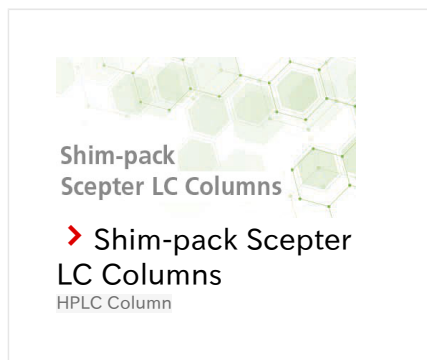
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Related Products

Some products may be updated to newer models.



Related Solutions

➤ Oligonucleotide
Therapeutics

➤ 核酸・mRNA医薬品

➤ Price Inquiry

➤ Product Inquiry

➤ Technical Service /
Support Inquiry

➤ Other Inquiry