

CoreFocus Report

No.560

LC-MS

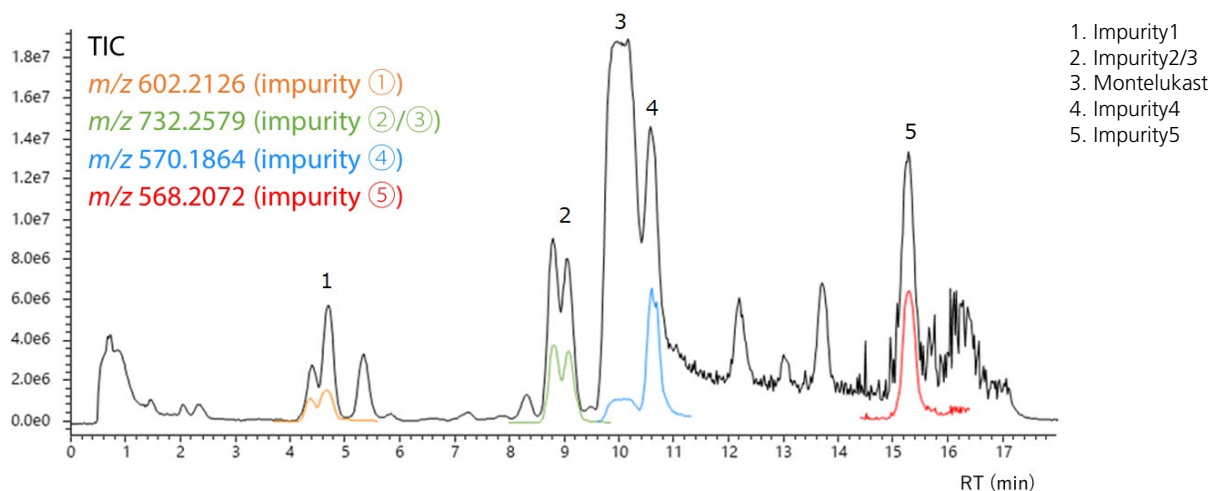
Reversed-phase

Shim-pack™ Series

Shim-pack Scepter™ Phenyl-120

Analysis of Impurities in Montelukast Sodium

Keywords: leukotriene receptor antagonist



[UHPLC conditions] (Nexera™ X3)

Column	: Shim-pack Scepter Phenyl-120, 50 mm x 2.1 mm I.D., 1.9 μm [†]
Mobile phase A	: Water/Formic acid = 2000/3
Mobile phase B	: Acetonitrile/Formic acid = 2000/3
Flow rate	: 0.25 mL/min
Time program (%B)	: 45 % (0-3 min) – 65 % (16 min) – 45 % (16.1-25 min)
Column oven temp.	: 30 °C
Injection vol.	: 10 μL
Detection	: UV 238 nm

1*: P/N : 227-31063-03

[MS conditions] (LCMS-9030)

Ionization	: ESI positive
Mode	: MS, MS/MS scan
Nebulizing gas flow	: 3.0 L/min
Drying gas flow	: 10.0 L/min
Heating gas flow	: 10.0 L/min
DL temp.	: 250 °C
Block heater temp.	: 400 °C
Interface temp.	: 300 °C

Source : Application News 01-00017 ([JP,ENG](#))

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