

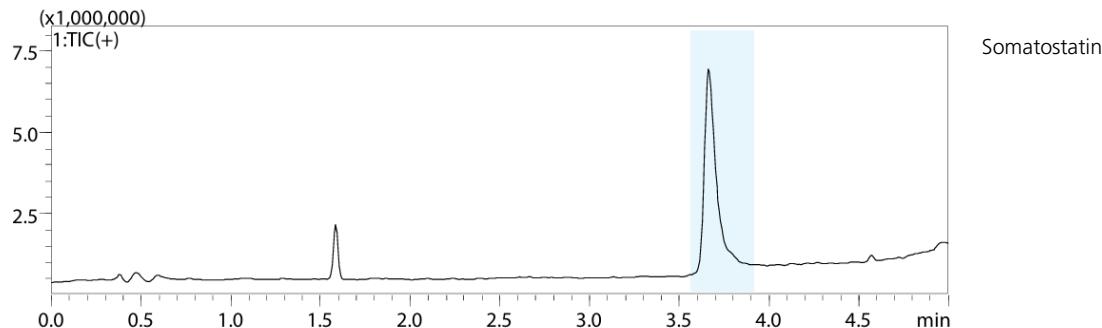
**CoreFocus**  
**Report**

**No.578**

LC-MS    Reversed-phase    Shim-pack™ Series

**Shim-pack Scepter™ C18-120**  
**Analysis of Peptide and Impurities**

**Keywords:** Peptide hormone, Medium molecule drugs, Quality control



[HPLC conditions] (Nexera™ X3)

Column : Shim-pack Scepter C18-120,  
          50 mm x 2.1 mm I.D., 1.9  $\mu$ m\*<sup>1</sup>  
Column temp. : 40 °C  
Mobile phases : A) 0.1 % TFA in H<sub>2</sub>O  
                  B) 0.1 % TFA in acetonitrile  
Gradient : B. Conc 10 %(0.00 - 1.50 min) → 80 %(5.00 min)  
                  →  
                  10 %(5.01-8.00 min)  
Flowrate : 0.4 mL/min

[MS conditions] (LCMS-2050)

Ionization : ESI/APCI (DUIS™), Positive mode  
Mode : Scan ( $m/z$  250 -2000)  
Nebulizing gas flow : 2.0 L/min  
Drying gas flow : 5.0 L/min  
Heating gas flow : 7.0 L/min  
DL temperature : 450 °C  
Desolvation temperature : 200 °C  
Interface voltage : +3.0 kV  
Qarray voltage : +20 V

\*1: P/N : 227-31012-03

Source : Application News 01-00625 ([JP](#), [ENG](#))

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