

CoreFocus Report

No.542

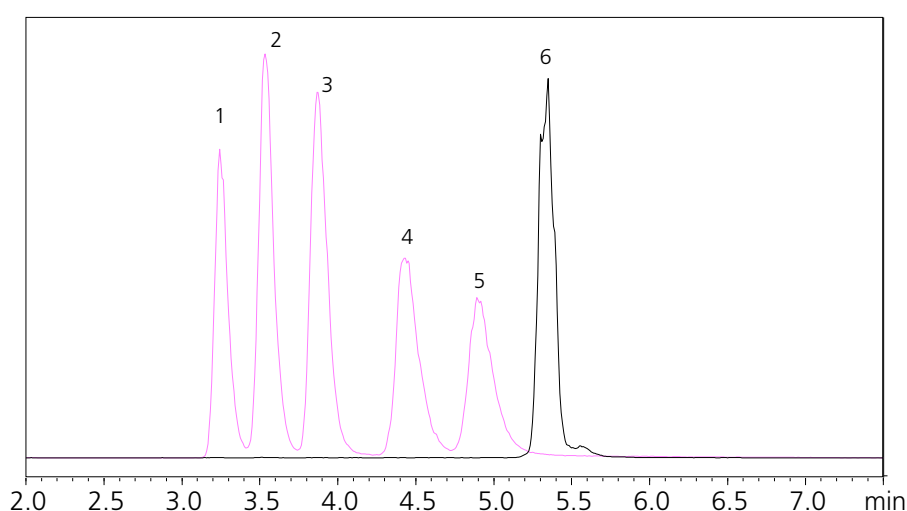
SFC

Shim-pack Series

Shim-pack™ UC-PolyBT

Analysis of Glucosylceramides and Steryl glucosides

Keywords: glycosphingolipid, glycolipid



1. C16 :h0, d18:24E 8Z
2. C18 :h0, d18:24E 8Z
3. C20 :h0, d18:24E 8Z
4. C22 :h0, t18:18Z
5. C24 :h0, t18:18Z
6. Steryl glucosides

(100 mg/L each, in Chloroform /
Methanol = 2:1)

System	: Nexera™ UC
Column	: Shim-pack UC-PolyBT (250 mm x 4.6 mm I.D., 5 μm) P/N : 227-32503-02 (Japan), 227-32503-12 (except Japan)
Mobile phase	: A) CO ₂ B) 20 mmol/L Ammonium formate in Methanol
Time program	: B conc. 15% (0 – 6.5 min) → 30% (6.51 – 9 min) → 15% (9.01 – 12 min)
Flow rate	: 3.0 mL/min
Column temp.	: 30 °C
Injection volume	: 2 μL
BPR pressure	: 10 MPa (controller A), 40 MPa (controller B)
BPR temperature	: 50 °C
Detection	: ELSD (Sampling rate : 500 msec)

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