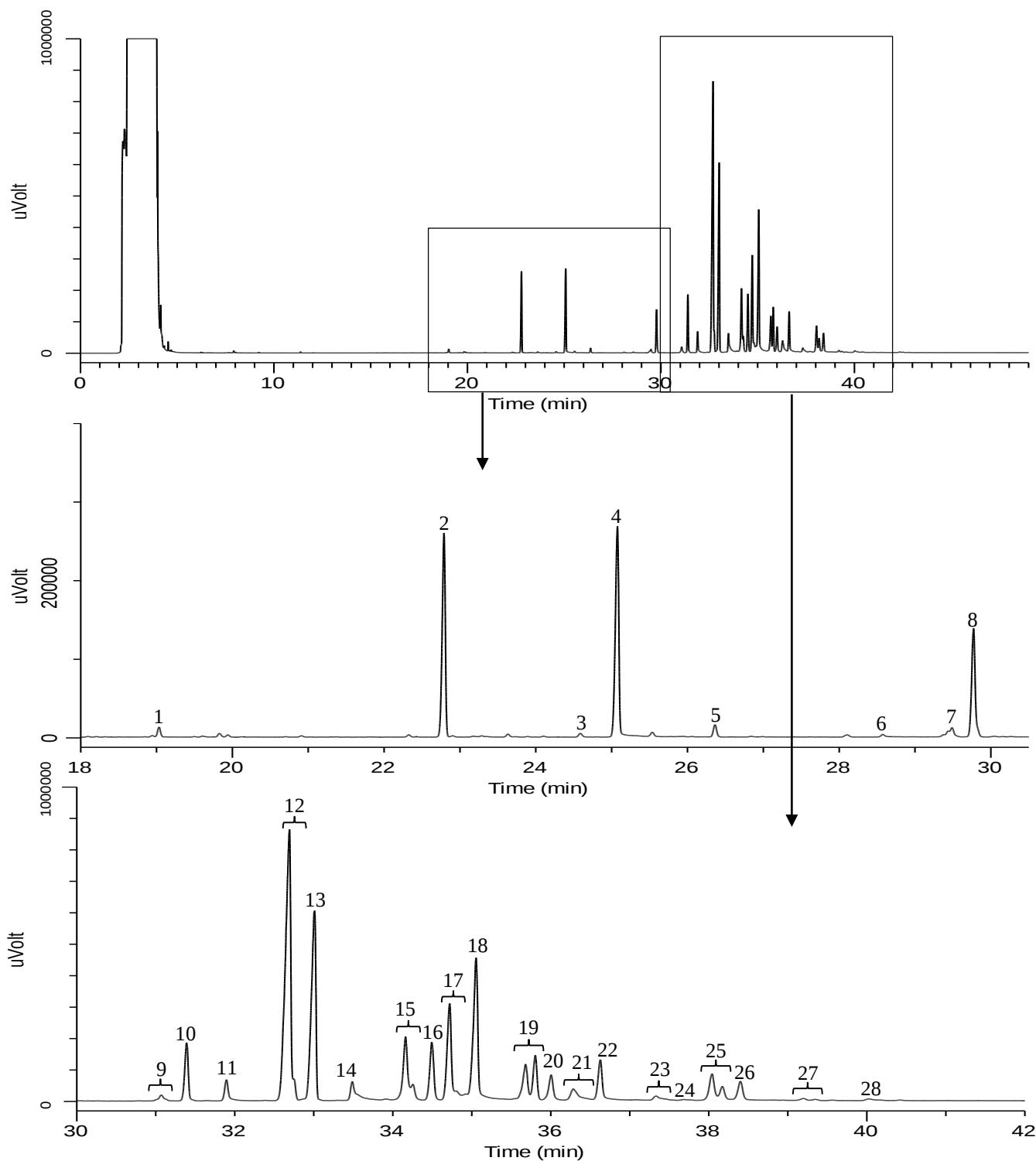


Hydroxy fatty acid methyl esters & Non-hydroxy fatty acid methyl esters in Galactocerebroside from bovine brain

Data No. GA292-0874

This sample was provided by Prof. Mamoru Kyogashima (Nihon Pharmaceutical University, Japan)



InertSearch™ for GC

InertCap® Applications

Conditions

System : GC-FID

Column : InertCap 5MS/NP
0.25 mm I.D. x 30 m df = 0.25 µm

Col. Cat. No. : 1010-18642

Col. Temp. : 40 °C (2 min hold) - 25 °C/min - 160 °C - 5 °C/min - 300 °C (15 min)

Carrier Gas : He 100 kPa

Injection : Splitless 1.5min Vent flow 10 mL/min
300 °C

Detection : FID 300 °C

Sample Size : Analyte in Hexane 1.0 µL

Analyte :

1. C16:0 methyl ester
2. C18:0 methyl ester
3. C19:0 methyl ester
4. C18:0h methyl ester *
5. C20:0 methyl ester
6. C20:0h methyl ester *
7. C22:1 methyl ester
8. C22:0 methyl ester
9. C23:1 methyl ester
10. C23:0 methyl ester
11. C22:0h methyl ester *
12. C24:1 methyl ester
13. C24:0 methyl ester
14. C23:0h methyl ester *
15. C25:1 methyl ester
16. C25:0 methyl ester
17. C24:1h methyl ester *
18. C24:0h methyl ester *
19. C26:1 methyl ester
20. C26:0 methyl ester
21. C25:1h methyl ester *
22. C25:0h methyl ester *
23. C27:1 methyl ester
24. C27:0 methyl ester
25. C26:1h methyl ester *
26. C26:0h methyl ester *
27. C28:1 methyl ester
28. C27:1h methyl ester *

* h: hydroxy fatty acid

** Analytes were identified by MALDI-TOF-MS and GC-MS.