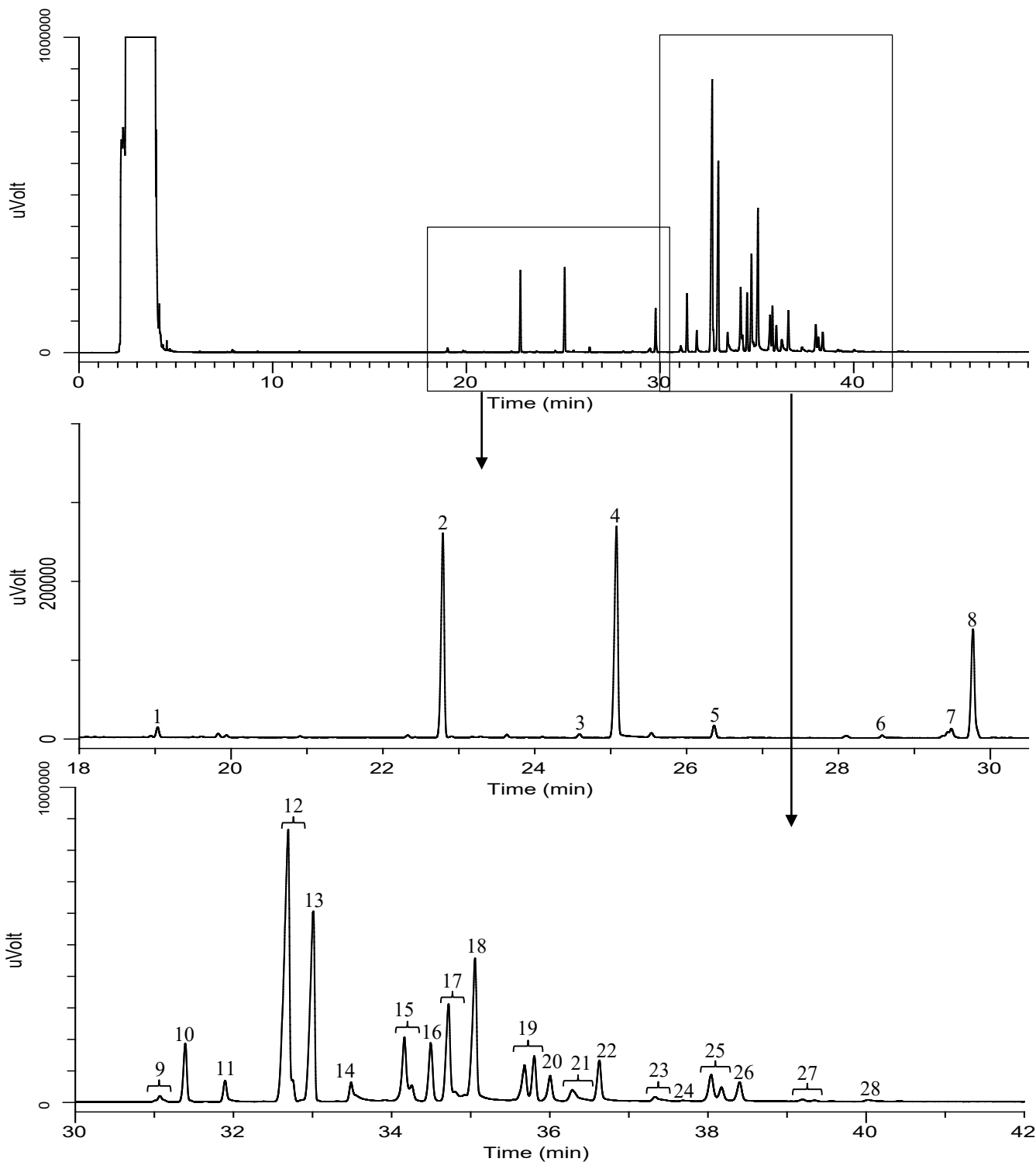# InertSearch™ for GC

InertCap® Applications

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
                   0.25 mm I.D. x 30 m   df = 0.25 μm
Col. Cat. No. : 1010-18642
Col. Temp.   **:** 40 ℃ (2 min hold) - 25 ℃/min - 160 ℃ - 5 ℃/min - 300 ℃ (15 min)
Carrier Gas **:** He 100 kPa
Injection   **:** Splitless 1.5min   Vent flow 10 mL/min
                   300 ℃
Detection   **:** FID   300 ℃
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.

GL Sciences