

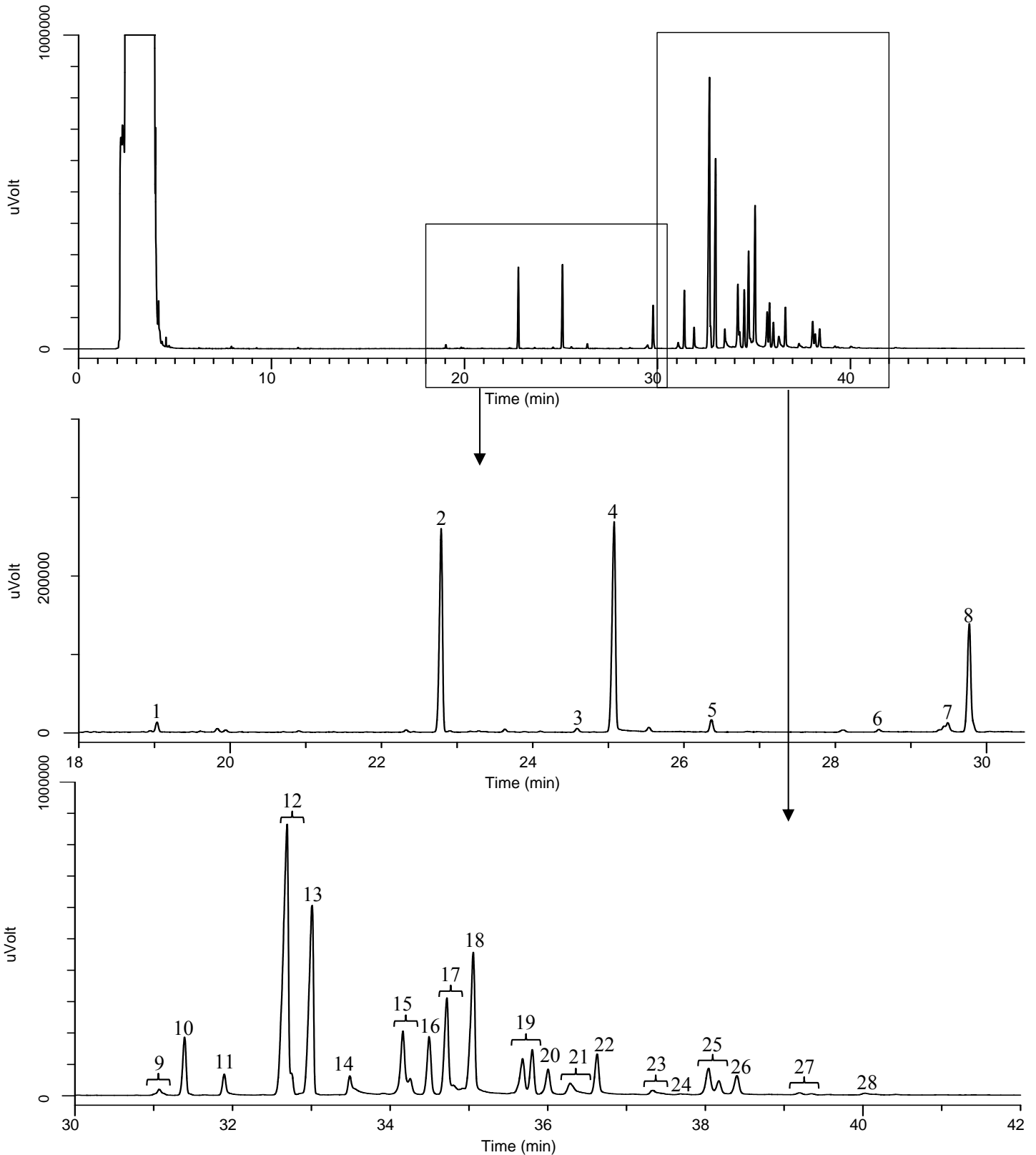
# InertSearch™ for GC

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/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.