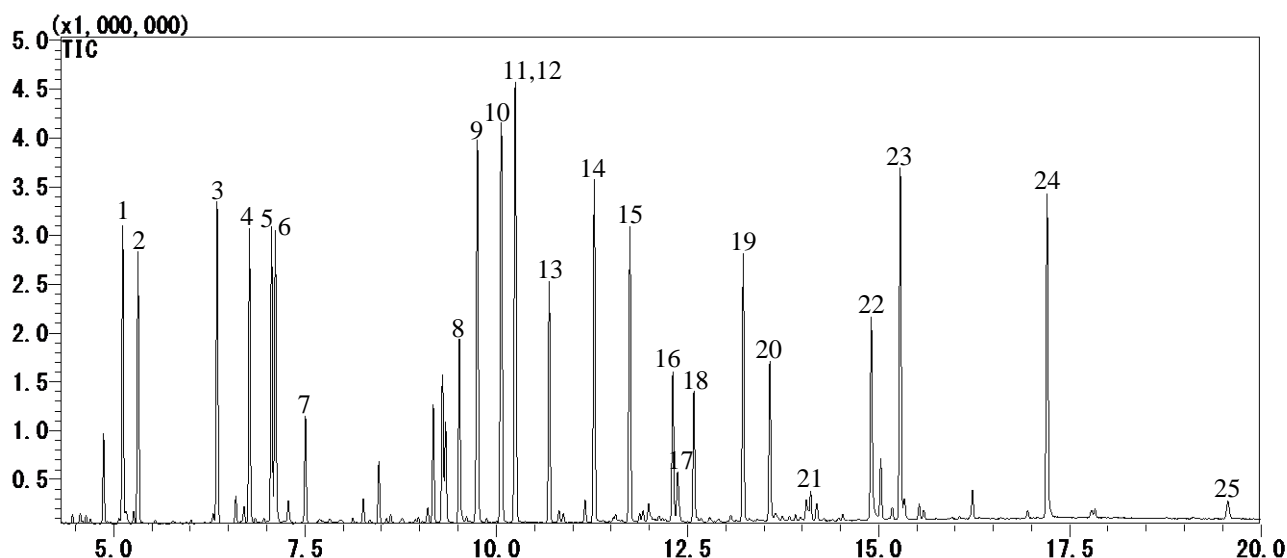


## Analysis of Amino Acids as tert.-Buthyldimethylsilyl Derivatives



### Conditions

<b>System</b>	: GC-MS
<b>Column</b>	: InertCap 5MS 0.25 mm I.D. x 30 m df = 0.25 $\mu$ m
<b>Col. Cat. No.</b>	: 1010-18642
<b>Col. Temp.</b>	: 150 °C(2 min) - 10 °C/min - 300 °C(3 min)
<b>Carrier Gas</b>	: He 40 cm/s
<b>Injection</b>	: Split 1:20 280 °C
<b>Detection</b>	: MS Scan ( $m/z$ = 45 - 800) Interface Temp. 280 °C
<b>Sample Size</b>	: 50 mg/L 1.0 $\mu$ L

## Analysis of Amino Acids as tert.-Buthyldimethylsilyl Derivatives

### Analyte :

1. Alanine
2. Glycine
3. Valine
4. Leucine
5. *allo*-Isoleucine
6. Isoleucine
7. Proline
8. Methionine
9. Serine
10. Threonine
11. *allo*-Threonine
12. Hydroxyproline (converted from Proline)
13. Phenylalanine
14. Asparagine acid
15. Cysteine
16. Glutamine acid
17. Ornithine (converted from Arginine)
18. Asparagine
19. Lysine
20. Glutamine
21. Arginine
22. Histidine
23. Tyrosine
24. Typtophane
25. Cystine (converted from Cystein)

(Deriv. by MTBSTFA)

### Referance

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