

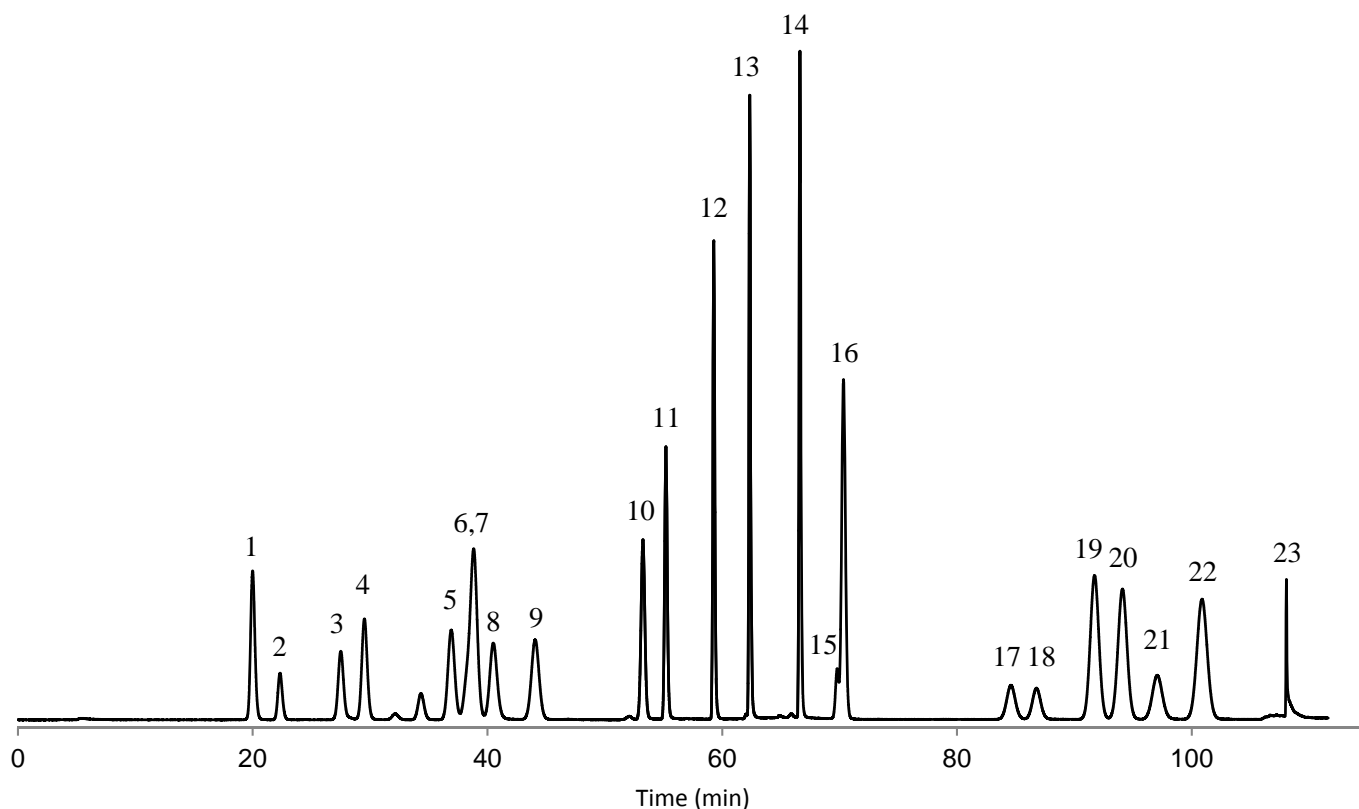
InertSearch™ for LC

Inertsil® Applications

Simultaneous analysis of 22 amino acids derivatized with 4-fluoro-7-nitro-2,1,3-benzoxadiazole (NBD-F)

Data No. LL008-0000

*The chromatogram was provided by Dr. Makoto Tsunoda,
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Conditions

Column : Inertsil ODS-4V
(5 μ m, 250 x 3.0 mm I.D.)

Column Cat. No. : 5020-10922

Eluent : A) H₂O/CH₃CN/TFA = 88/12/0.12, v/v/v
: B) H₂O/CH₃CN/TFA = 12/88/0.12, v/v/v
A/B = 100/0 - 42 min - 100/0 - 18 min - 60/40 -
- 5 min - 75/25 - 35 min - 75/25 - 2 min - 0/100 -
- 10 min - 0/100, v/v

Flow rate : 0.4 mL/min

Col. Temp. : 32.5 °C

Detection : FL Ex 470 nm Em 530 nm

Injection Vol. : 2 μ L

Sample : Standard solution derivatized by NBD-F

Analyte:

NBD- amino acids, 3.7 μ mol/L each

- | | |
|-------------------|---|
| 1. Histidine | 13. Proline |
| 2. Asparagine | 14. ϵ -amino- <i>n</i> -caproic acid |
| 3. Glutamine | 15. Methionine |
| 4. Serine | 16. Valine |
| 5. Arginine | 17. Cystine |
| 6. Citrulline | 18. Ornithine |
| 7. NBD-OH | 19. Isoleucine |
| 8. Aspartic acid | 20. Leucine |
| 9. Glycine | 21. Lysine |
| 10. Glutamic acid | 22. Phenylalanine |
| 11. Threonine | 23. Tyrosine |
| 12. Alanine | |