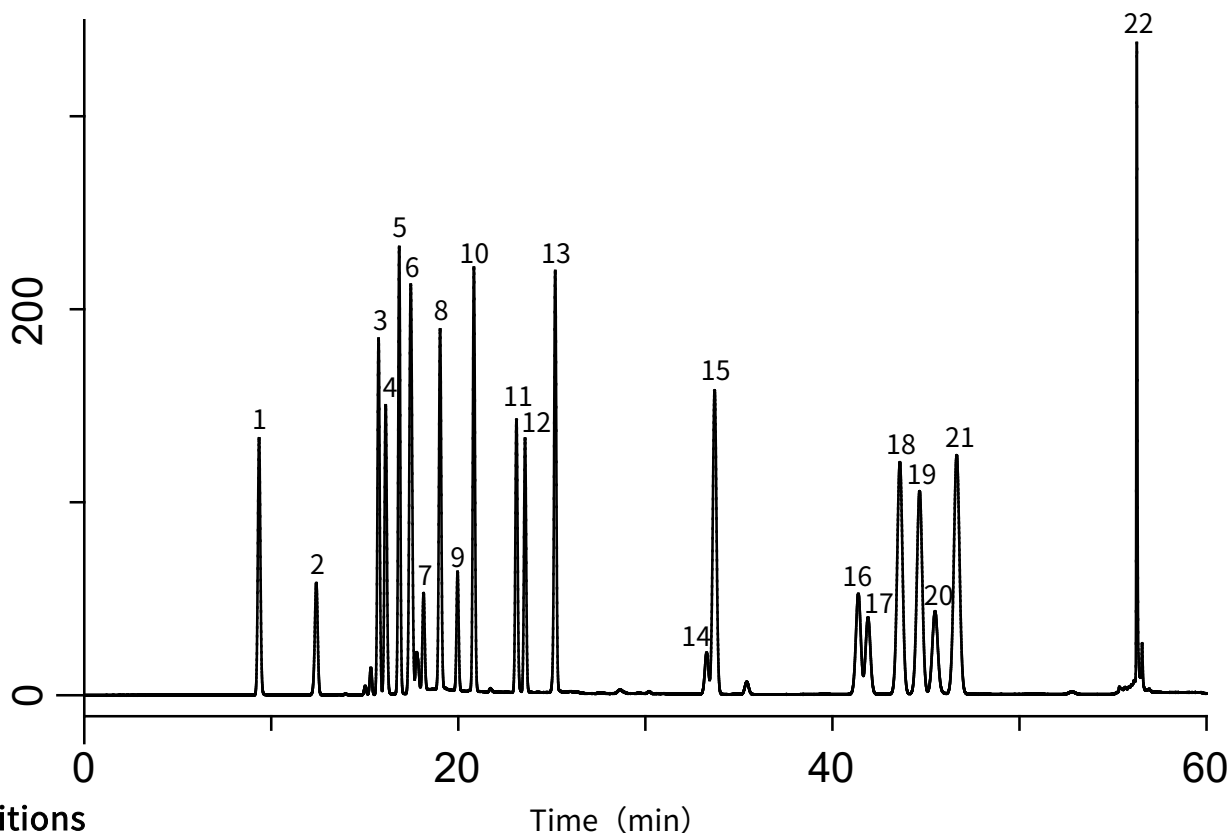


InertSearch™ for LC

Inertsil® Applications

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

Data No. LB470-0952



Conditions

System : GL7700 HPLC system
Column : InertSustainSwift C18
(5 µm, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-88027
Eluent : A) 0.1 % TFA in CH₃CN
B) 0.1 % TFA in H₂O

Time (min)	A (%)	B (%)
0.00	10	90
5.00	10	90
20.0	30	70
50.0	35	65
50.1	80	20
55.0	80	20
55.1	10	90
70.0	10	90

Analyte:

- | | |
|----------------------|-----------------------|
| 1. NBD-Taurin | 12. NBD-GABA |
| 2. NBD-Histidine | 13. NBD-Proline |
| 3. NBD-Glutamine | 14. NBD-Methionine |
| 4. NBD-Serine | 15. NBD-Valine |
| 5. NBD-Arginine | 16. NBD-Cystine |
| 6. NBD-OH | 17. NBD-Ornithine |
| 7. NBD-Aspartic acid | 18. NBD-Isoleucine |
| 8. NBD-Glycine | 19. NBD-Leucine |
| 9. NBD-Glutamic acid | 20. NBD-Lysine |
| 10. NBD-Threonine | 21. NBD-Phenylalanine |
| 11. NBD-Alanine | 22. NBD-Tyrosine |

(NBD-amino acids, 50 µmol/L each)

Flow rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : FL Ex 470 nm Em 530 nm
Injection Vol. : 5 µL
Sample : Standard solution derivatized by NBD-F