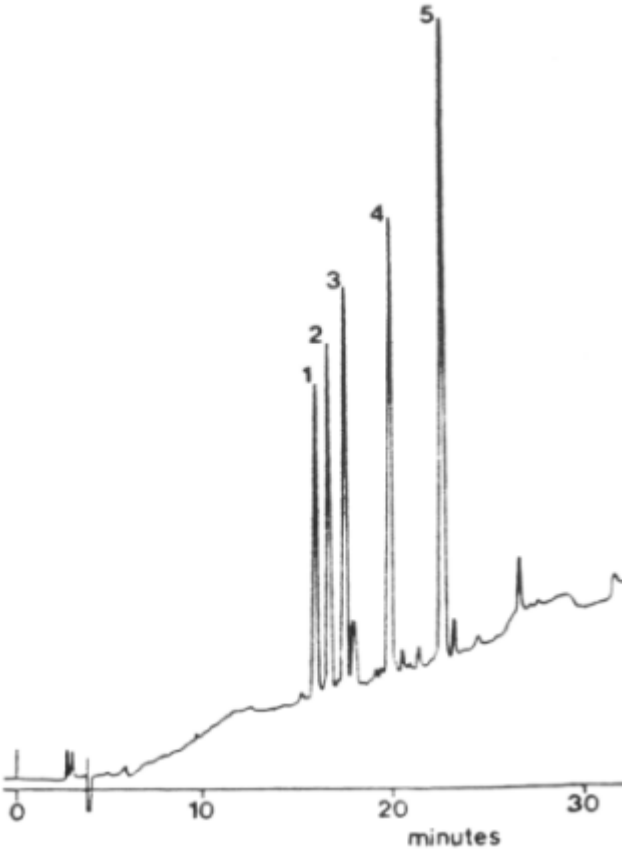
Application Number	111210
Method	HPLC
Results	



Legend:

Mixture of synthetic peptides:

1. Ala3-Gly4 (free amino)
2. Gly3-Gly4 (N-acetylated)
3. Ala3-Gly4 (N-acetylated)
4. Val3-Gly4 (N-acetylated)
5. Val3-Val4 (N-acetylated)

Substances	Ala3-Gly4; Gly3-Gly4; Ala3-Gly4; Val3-Gly4; Val3-Val4

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Matrix	
Sample(s)	The mixture of synthetic peptides RPS-P0010, produced by Synthetic Peptides Incorporated (SPI), is designed to monitor reversed phase column performance (selectivity, resolution and efficiency). It contains 5 C-terminal amide decapeptides, four of which are N-acetylated with the sequence variations as follows: Gly3-Gly4, Ala3-Gly4, Val3-Gly4, Val3-Val4 and the fifth contains a free N-amino acid. These SPI peptide standards have been used to evaluate the effect of adsorbent pore size and particle size, column length and flow rate on resolution.
Conditions	Eluent A: 0.1 % TFA in 1 % acetonitrile - 99 % water Eluent B: 0.1 % TFA in 30 % acetonitrile - 70 % water Gradient: linear 0-100 % B in 30 min Flow rate: 1.0 mL/min
Detection	UV, 220 nm
Note	
Author	LC Department
Source	MACHEREY-NAGEL
Disclaimer	Concerning questions to literature applications please contact the cited author/s. Chemicals mentioned in applications are not manufactured or sold by MACHEREY-NAGEL. Applications mentioned in MACHEREY-NAGEL literature or databases are provided for informational purposes only. MACHEREY-NAGEL does not warrant that all applications have been tested in MACHEREY-NAGEL laboratories using MACHEREY-NAGEL products. MACHEREY-NAGEL does not warrant the correctness of the applications.

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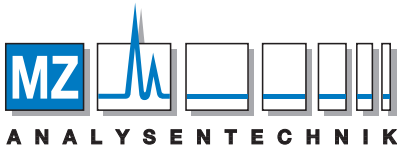

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