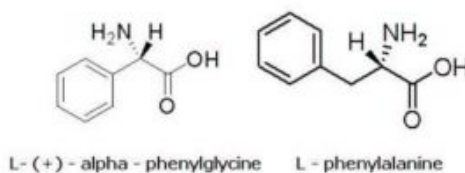
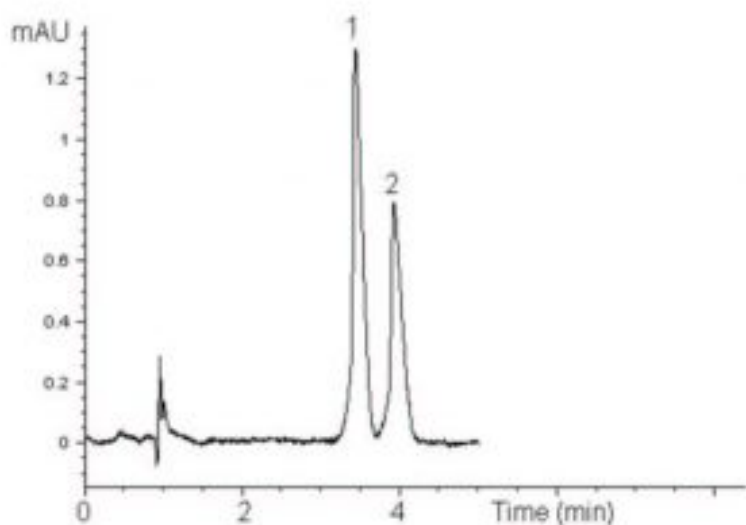


Phenylglycine & Phenylalanine Analyzed with HPLC – AppNote

Analysis using a Simple Mobile Phase.

In this Method two important amino acids: L-(+)-alpha-phenylglycine and L-phenylalanine, were Separated.

C18 Columns used today which may be present in every Analytical Laboratory may not be able to Retain underivatized Amino Acids. They usually elute at or near the “void volume” with other polar compounds.



Peaks:

1. L-(+)-Alpha-Phenylglycine
2. L-Phenylalanine

Method Conditions

Column: Cogent Silica-C™, 4µm, 100Å

Catalog No.: 40000-75P

Dimensions: 4.6 x 75mm

Mobile Phase:

A: DI Water / 0.1% Formic Acid

B: Acetonitrile / 0.1% Formic Acid

Flow rate: 1.0mL / minute

Detection: UV @ 254nm

Injection vol.: 2µL

Sample Preparation: 0.3mg / mL of each sample dissolved in 50:50 Acetonitrile / DI Water / 0.5% Formic Acid.

t₀: 0.85 minutes

Notes: Alpha - amino acids are precursors for many important chemical entities (for example isoindolines), which



are essential to the discovery of new drugs.



Attachment

No 48 Phenylglycine & Phenylalanine Analyzed with HPLC pdf 0.2 Mb [Download File](#)

Printed from the Chrom Resource Center

MicroSolv Technology Corporation

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com

Date: 05-18-2024