

4-(Methylamino)butyric Acid Analyzed by HPLC-AppNote

A gamma-Aminobutyric Acid (GABA) Derivative

This challenging polar compound is easily retained in this simple Method where repeatability of the data is excellent with %RSD<0.1 for the Retention Times. 

Peak:

4-(Methylamino)butyric Acid

Method Conditions:

Column: Cogent Diamond Hydride™, 4μm, 100Å

Catalog No.: 70000-15P-2

Dimensions: 4.6 x 150mm

Mobile Phase:

A: DI Water with 0.1% Formic Acid

B: Acetonitrile with 0.1% Formic Acid

Time (minutes)	%B
0	80
5	30
6	30
7	80

Injection vol.: 1μL

Flow rate: 1.0mL / minute

Detection: ELSD (Evaporative Light Scattering Detector)

Sample Preparation: 4-(Methylamino) Butyric Acid 0.1mg / mL in 50:50 Acetonitrile / DI Water

Note: 4-(Methylamino)butyric acid is a GABA (gamma Aminobutyric Acid) derivative and product of N-methyl-2-pyrrolidone. It inhibits L-Carnitine from undergoing beta-oxidation in mammals. In bacteria it is a product of nicotine catabolism. It is found in skin products to prevent wrinkles.



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: 07-03-2024