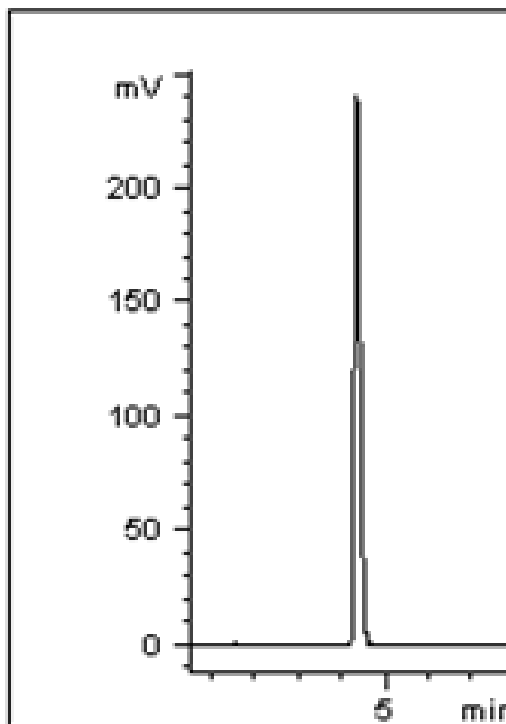


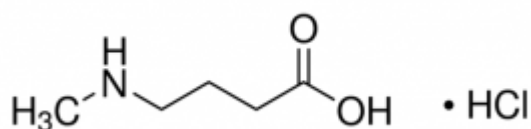
## 4-(Methylamino)butyric Acid Analyzed by HPLC-AppNote

### 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

**Injection vol.:** 1 $\mu$ L

**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](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)

Date: 07-22-2024