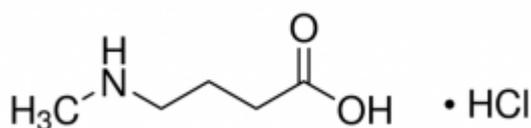
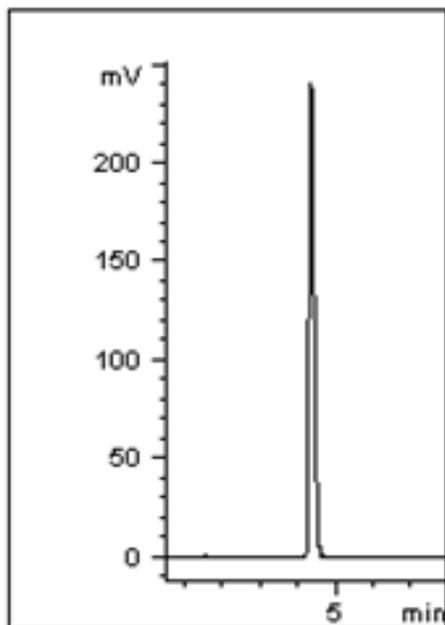


## 4-(Methylamino)butyric Acid Analyzed by HPLC- AppNote

### 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™, 4 μm, 100Å

**Catalog No.:** [70000-15P-2](#)

**Dimensions:** 4.6 x 150 mm

#### 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.:** 1 $\mu$ L

**Flow rate:** 1.0 mL / minute

**Detection:** ELSD (Evaporative Light Scattering Detector)

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

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*Note: 4-(Methylamino)butyric acid is a GABA (gamma Aminobutyric Acid) derivative and product of N-methyl-2-pyrrolidione. 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.*

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