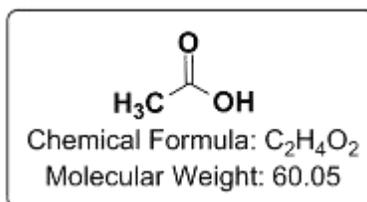




## LCMS Grade Acetic Acid

Product Numbers: 11201-10x1, 11201-25, 11201-custom

## Product Information Bulletin



### Product Background

Alternative Names: Acetic acid, Ethanoic acid, Methanecarboxylic acid, Glacial Acetic acid

CovaChem's LCMS Grade Acetic acid is a highly purified mobile phase additive. Acetic acid is useful as a mobile phase acidifier. The addition of high purity Acetic acid to a mobile phase allows for control of the protonation states of polar analytes. This influence on reverse phase mobile phases can create sharper peaks in the chromatogram and assist in the separation of structurally similar analytes.

CovaChem's LCMS Acetic acid is intended for use in HPLC and LCMS assays. Acetic acid is a weak acid and a weak ion pairing agent, which means that its deprotonated, anionic form will only weakly interact with positively charged ions in the column and during ionization. These properties makes Acetic acid well suited for LC/MS, as its acidic properties allow for pH control within the chromatography stage and in the ionization phase, creating an environment with an abundance of H<sup>+</sup> ions. The weak ion pairing property of Acetic acid is easily overcome by the ionization process in the mass spectrometer, allowing for excellent ionization efficiency, and minimum ion suppression.

### General Protocol - Acetic Acid Ampule Guidelines

1. Carefully snap the top off of the glass ampule with thumb or ampule snapper, and dispose of the glass top.
2. Remove the entire quantity with a pipette or syringe.
3. Add Acetic acid to one liter of desired elution solvent to obtain a 0.1% solution.
4. Dispose of any unused reagent in accordance with local chemical disposal laws.

### Notes and Hazardous Warning

Refer to MSDS prior to using this chemical.

Acetic Acid is corrosive and dangerous by inhalation. Please take suitable precautions.

### Product Description

#### Package Size and Product Numbers

10x1 mL.....	11201-10x1
25 mL.....	11201-25

Product Name: LCMS Grade Acetic Acid

CAS Number:.....[64-19-7](#)

### Product Specifications

- Visual: Clear, Colorless liquid
- Purity: ≥ 99.8%

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