

## Acetamide

## Chemical Properties

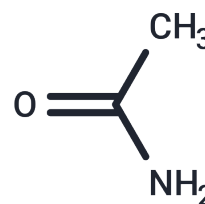
CAS No. : 60-35-5

Formula: C<sub>2</sub>H<sub>5</sub>NO

Molecular Weight: 59.07

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|               |  |
|---------------|--|
| Description   | Acetamide (ethanamide) is found in red beetroot, is used primarily as a solvent and a plasticizer. |
| Targets(IC50) | Endogenous Metabolite  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 7.5 mg/mL (126.97 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg        | 5mg        | 10mg        |
|-------|------------|------------|-------------|
| 1 mM  | 16.9291 mL | 84.6453 mL | 169.2907 mL |
| 5 mM  | 3.3858 mL  | 16.9291 mL | 33.8581 mL  |
| 10 mM | 1.6929 mL  | 8.4645 mL  | 16.9291 mL  |
| 50 mM | 0.3386 mL  | 1.6929 mL  | 3.3858 mL   |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Exposure Assessment of Acetamide in Milk, Beef, and Coffee Using Xanthidrol Derivatization and Gas Chromatography/Mass Spectrometry]]. Journal of Agricultural and Food Chemistry, 2018, 66(1):298-305.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481