

Sodium acetate

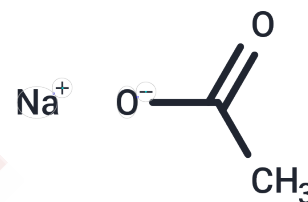
Chemical Properties

CAS No. : 127-09-3

Formula: C₂H₃NaO₂

Molecular Weight: 82.03

Storage: Store at low temperature
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

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|---------------|--|
| Description | Sodium acetate is Commonly used laboratory reagent |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: < 1 mg/mL (insoluble),Sonication is recommended. H2O: 50 mg/mL (609.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|------------|------------|-------------|
| 1 mM | 12.1907 mL | 60.9533 mL | 121.9066 mL |
| 5 mM | 2.4381 mL | 12.1907 mL | 24.3813 mL |
| 10 mM | 1.2191 mL | 6.0953 mL | 12.1907 mL |
| 50 mM | 0.2438 mL | 1.2191 mL | 2.4381 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

Li W, Han J, Huang B, et al.SLC25A1 and ACLY maintain cytosolic acetyl-CoA and regulate ferroptosis susceptibility via FSP1 acetylation.The EMBO Journal.2025: 1-22.

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