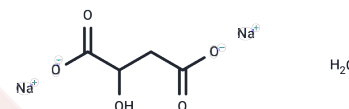


Malic acid disodium hydrate

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 63474-37-3 |
| Formula: | C ₄ H ₆ Na ₂ O ₆ |
| Molecular Weight: | 196.07 |
| Appearance: | Solid |
| Storage: | keep away from moisture,store under nitrogen store at RT |



Biological Description

| | |
|---------------|---|
| Description | Malic acid disodium hydrate is commonly used as a food additive, buffering agent and nutritional supplement with the ability to enhance food flavor, improve texture and regulate acidity. Hydroxybutanedioic acid disodium hydrate can also be used as a dietary supplement to help increase energy production, reduce fatigue and enhance athletic performance. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|--|
| Solubility | H ₂ O: 100.00 mg/mL (510.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 5.1002 mL | 25.5011 mL | 51.0022 mL |
| 5 mM | 1.020 mL | 5.1002 mL | 10.2004 mL |
| 10 mM | 0.510 mL | 2.5501 mL | 5.1002 mL |
| 50 mM | 0.102 mL | 0.510 mL | 1.020 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.

Reference

Dai Z, et al. Current advance in biological production of malic acid using wild type and metabolic engineered strains. Bioresour Technol. 2018 Jun;258:345-353.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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