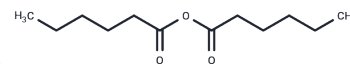


Hexanoic anhydride

Chemical Properties

CAS No. : 2051-49-2
 Formula: C₁₂H₂₂O₃
 Molecular Weight: 214.3
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|---|
| Description | Hexanoic anhydride is a reactive chemical compound utilized as a key reactant in the synthetic pathway for acremomannolipin A. Applied in the green synthesis of acyclovir ester prodrugs to enhance bioavailability, and employed in the preparation of hexanoyl-modified chitosan nanoparticles through N-acylation reactions to create chitosan-based polymeric surfactants and drug delivery systems. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.6664 mL | 23.3318 mL | 46.6636 mL |
| 5 mM | 0.9333 mL | 4.6664 mL | 9.3327 mL |
| 10 mM | 0.4666 mL | 2.3332 mL | 4.6664 mL |
| 50 mM | 0.0933 mL | 0.4666 mL | 0.9333 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

Kim D, et al. Applications of Pyrene Fluorescence to the Characterization of Hydrophobically Modified Starch Nanoparticles. Langmuir. 2018 Jul 24;34(29):8611-8621.

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