

CAY10679

Chemical Properties

CAS No. : 143673-93-2

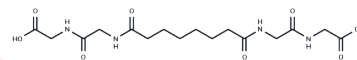
Formula: C₁₆H₂₆N₄O₈

Molecular Weight: 402.404

Keep away from moisture

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 | CAY10679, an anionic oligopeptide-based bola-amphiphile, features a central hexane segment bordered by a glycyglycine group at each end, establishing pronounced hydrophilic and hydrophobic regions. This amphiphilic peptide's propensity for self-assembling into microtubes in aqueous acidic solutions has been explored. Such bola-amphiphiles hold significant potential in the development of nanotubes, nanovesicles, nanowires, and nanocarriers for drug delivery, among various bionanotechnology applications. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.4851 mL | 12.4254 mL | 24.8509 mL |
| 5 mM | 0.497 mL | 2.4851 mL | 4.9702 mL |
| 10 mM | 0.2485 mL | 1.2425 mL | 2.4851 mL |
| 50 mM | 0.0497 mL | 0.2485 mL | 0.497 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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