

CT-08

Chemical Properties

CAS No. : 1000770-96-6

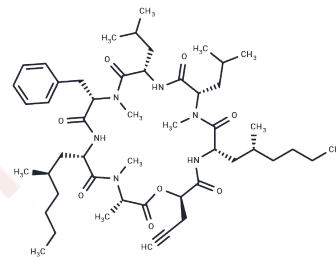
Formula: C₅₀H₈₀N₆O₈

Molecular Weight: 893.206

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

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|---------------|--|
| Description | CT-08 (CT8, Compound 3) is a macrolide Sec61 modulator that inhibits protein secretion in a signal sequence-dependent manner. It prevents the Sec61-mediated translocation of VCAMss-GLuc to the ER, resulting in the loss of luciferase activity. Additionally, CT-08 suppresses the expression of VCAM in transfected cells. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.1196 mL | 5.5978 mL | 11.1956 mL |
| 5 mM | 0.2239 mL | 1.1196 mL | 2.2391 mL |
| 10 mM | 0.112 mL | 0.5598 mL | 1.1196 mL |
| 50 mM | 0.0224 mL | 0.112 mL | 0.2239 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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