

## Urechistachykinin I acetate(149097-03-0 free base)

### Chemical Properties

CAS No. :

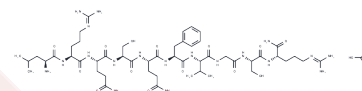
Formula: C52H89N19O16

Molecular Weight: 1236.38

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   | Urechistachykinin I acetate(149097-03-0 free base) (Uru-TK I acetate) is an invertebrate kalinin-related peptide (TRPs) isolated from thylakoid nematodes. |
| Targets(IC50) | Antibacterial  |

### Solubility Information

|            |  |
|------------|--|
| Solubility | H2O: 10 mM,Sonication is recommended.<br>DMSO: Insoluble,<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.8088 mL | 4.0441 mL | 8.0881 mL |
| 5 mM  | 0.1618 mL | 0.8088 mL | 1.6176 mL |
| 10 mM | 0.0809 mL | 0.4044 mL | 0.8088 mL |
| 50 mM | 0.0162 mL | 0.0809 mL | 0.1618 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

Sung WS, et al. Antimicrobial effect and membrane-active mechanism of Urechistachykinins, neuropeptides derived from Urechis unicinctus. FEBS Lett. 2008 Jul 9;582(16):2463-6.

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