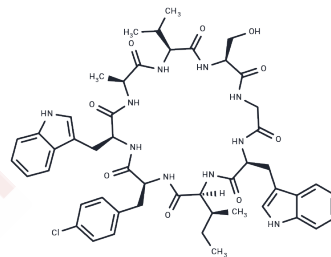


KRL74

## Chemical Properties

CAS No. : 2423969-43-9  
 Formula: C<sub>50</sub>H<sub>61</sub>ClN<sub>10</sub>O<sub>9</sub>  
 Molecular Weight: 981.53  
 Storage: Keep away from moisture  
 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                | KRL74 is a cyclic peptide inhibitor that interferes with the interaction between the p6 domain of the HIV Gag protein and the UEV domain of the human TSG101 protein (p6/UEV), with an IC <sub>50</sub> of 5.44 μM and a K <sub>d</sub> of 11.9 μM. It also inhibits the budding of HIV from host cells, exhibiting an IC <sub>50</sub> of 2 μM in virus-like particle (VLP) budding assays. |
| Targets(IC <sub>50</sub> ) | Others,HIV Protease  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.0188 mL | 5.0941 mL | 10.1882 mL |
| 5 mM  | 0.2038 mL | 1.0188 mL | 2.0376 mL  |
| 10 mM | 0.1019 mL | 0.5094 mL | 1.0188 mL  |
| 50 mM | 0.0204 mL | 0.1019 mL | 0.2038 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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