

IDR 1002

## Chemical Properties

CAS No. : 1224095-25-3

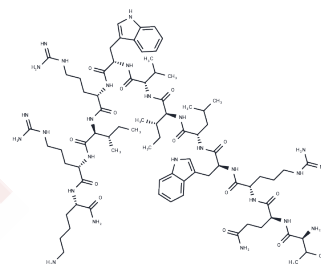
Formula: C79H130N26O13

Molecular Weight: 1652.06

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   | IDR 1002, an innate defense regulator peptide, effectively diminishes bacterial load and mitigates inflammatory responses in murine models of sinusitis and acute bacterial lung infections. It suppresses LPS-induced activation of NF-κB and COX-2 while promoting the phosphorylation and activation of p38, ERK1/2, MSK1, and CREB. |
| Targets(IC50) | Integrin  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.6053 mL | 3.0265 mL | 6.053 mL  |
| 5 mM  | 0.1211 mL | 0.6053 mL | 1.2106 mL |
| 10 mM | 0.0605 mL | 0.3027 mL | 0.6053 mL |
| 50 mM | 0.0121 mL | 0.0605 mL | 0.1211 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

Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481