

S961

Chemical Properties

CAS No. : 1083433-49-1

Formula: C211H297N55O71S2

Molecular Weight: 4804.13

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 | S961 is a high-affinity, selective insulin receptor (IR) antagonist with IC50 values of 0.048 nM for HIR-A, 0.027 nM for HIR-B, and 630 nM for human insulin-like growth factor I receptor (HIGF-IR) in scintillation proximity assays. |
| Targets(IC50) | IGF-1R |

Solubility Information

| | |
|------------|--|
| Solubility | H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.2082 mL | 1.0408 mL | 2.0815 mL |
| 5 mM | 0.0416 mL | 0.2082 mL | 0.4163 mL |
| 10 mM | 0.0208 mL | 0.1041 mL | 0.2082 mL |
| 50 mM | 0.0042 mL | 0.0208 mL | 0.0416 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

Schäffer L, et al. A novel high-affinity peptide antagonist to the insulin receptor. *Biochem Biophys Res Commun.* 2008 Nov 14;376(2):380-3.

Dawid M, Pich K, Respekta-Długosz N, et al. Visfatin exerts an anti-proliferative and pro-apoptotic effect in the human placenta cells. *Biology of Reproduction.* 2024: ioae168.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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