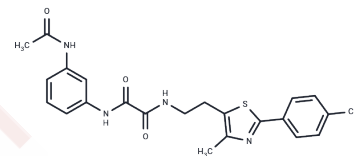


S1QEL1.1

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 897613-29-5 |
| Formula: | C23H24N4O3S |
| Molecular Weight: | 436.53 |
| Storage: | Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | S1QEL1.1 (S1QEL) is a mitochondrial respiratory complex I site IQ electron leak suppressor that inhibits O ₂ -induced ROS production and prevents O ₂ -induced DA closure, and can be used in the study of cardiovascular diseases. |
| Targets(IC50) | Others, Reactive Oxygen Species, Caspase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 2.2908 mL | 11.454 mL | 22.9079 mL |
| 5 mM | 0.4582 mL | 2.2908 mL | 4.5816 mL |
| 10 mM | 0.2291 mL | 1.1454 mL | 2.2908 mL |
| 50 mM | 0.0458 mL | 0.2291 mL | 0.4582 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

- Gibbs ET, et al. Site IQ in mitochondrial complex I generates S1QEL-sensitive superoxide/hydrogen peroxide in both the reverse and forward reactions. *Biochem J.* 2023 Mar 15;480(5):363-384.
- Wong HS, et al. Mitochondrial and cytosolic sources of hydrogen peroxide in resting C2C12 myoblasts. *Free Radic Biol Med.* 2019 Jan;130:140-150.

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