

Succinate dehydrogenase-IN-5

Chemical Properties

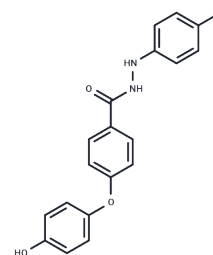
CAS No. :

Formula: C₁₉H₁₅FN₂O₃

Molecular Weight: 338.332

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 | Succinate dehydrogenase-IN-5 (Compound M8) acts as an inhibitor of succinate dehydrogenase. It disrupts energy metabolism and growth in fungi and is effective against <i>Rhizoctonia solani</i> , <i>Sclerotinia sclerotiorum</i> , <i>Botrytis cinerea</i> , and <i>Fusarium graminearum</i> , with an EC ₅₀ of less than 0.3 µg/mL. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.9557 mL | 14.7785 mL | 29.5569 mL |
| 5 mM | 0.5911 mL | 2.9557 mL | 5.9114 mL |
| 10 mM | 0.2956 mL | 1.4778 mL | 2.9557 mL |
| 50 mM | 0.0591 mL | 0.2956 mL | 0.5911 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

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