

TMV-IN-3

Chemical Properties

CAS No. : 2883408-35-1
 Formula: C₂₈H₂₆O₄
 Molecular Weight: 426.5
 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 | TMV-IN-3, a chalcone derivative, functions as a tobacco mosaic virus (TMV) inhibitor, exhibiting antiviral activity against TMV with an EC ₅₀ of 120.3 µg/mL. This compound is applicable for research in infection, inflammation, and tumor [1]. |
| Targets(IC50) | Others,Antibacterial,TMV |
| In vitro | TMV-IN-3 (compound N10) demonstrates strong activity against TMV, with an EC ₅₀ of 89.9 µg/mL [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3447 mL | 11.7233 mL | 23.4467 mL |
| 5 mM | 0.4689 mL | 2.3447 mL | 4.6893 mL |
| 10 mM | 0.2345 mL | 1.1723 mL | 2.3447 mL |
| 50 mM | 0.0469 mL | 0.2345 mL | 0.4689 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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