

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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481