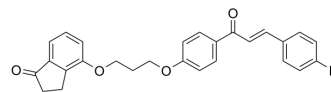


TMV-IN-2

| | |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.: | HY-148568 |
| Molecular Formula: | C ₂₇ H ₂₃ FO ₄ |
| Molecular Weight: | 430.47 |
| Target: | TMV; Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | TMV-IN-2, chalcone derivative, is a tobacco mosaic virus (TMV) inhibitor. TMV-IN-2 has antiviral activity against TMV with an EC ₅₀ value of 89.9 µg/mL. TMV-IN-2 can be used for the research of infection, inflammation and tumor ^[1] . |
| IC₅₀ & Target | EC ₅₀ : 89.9 µg/mL (TMV) ^[1] . K _d : 0.1890 µM (TMV-CP) ^[1] . |
| In Vitro | TMV-IN-2 (compound N7) has good activity against TMV with an EC ₅₀ value of 89.9 µg/mL, respectively ^[1] . TMV-IN-2 can bind the TMV coat protein (TMV-CP) with K _d value of 0.1890 µM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. Nan Sun, et al. Design, Synthesis, and Bioactivity of Chalcone Derivatives Containing Indanone. ACS Omega 2023.

Caution: Product has not been fully validated for medical applications. For research use only.

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