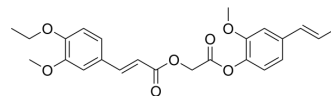


Antiviral agent 14

Cat. No.:	HY-145324
CAS No.:	2755814-80-1
Molecular Formula:	C ₂₄ H ₂₆ O ₇
Molecular Weight:	426.46
Target:	TMV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antiviral agent 14 is an antiviral agent against the tobacco mosaic virus (TMV) and cucumber mosaic virus (CMV). The EC ₅₀ values of Antiviral agent 14 against TMV and CMV with EC ₅₀ values of 135.5 µg/mL and 178.6 µg/mL, respectively ^[1] .
In Vitro	Antiviral agent 14 (compound E4) shows remarkable curative, protective, and inactivating effects on TMV and CMV at 500 µg/mL. Antiviral agent 14 resists the virus infection by enhancing defensive responses via inducing the accumulation of secondary metabolites from the phenylpropanoid biosynthesis pathway in tobacco ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xiuhai Gan, et al. Synthesis of Novel Antiviral Ferulic Acid-Eugenol and Isoeugenol Hybrids Using Various Link Reactions. J Agric Food Chem. 2021 Nov 24;69(46):13724-13733.

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

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