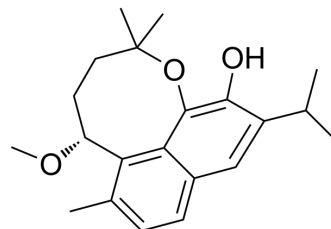


Wulfenioidin F

Cat. No.:	HY-N12339
Molecular Formula:	C ₂₁ H ₂₈ O ₃
Molecular Weight:	328.45
Target:	Virus Protease
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Wulfenioidin F is a diterpenoid, that can be isolated from the whole plant of <i>Orthosiphon wulfenioides</i> . Wulfenioidin F exhibits activity against Zika virus (ZIKV) with an EC ₅₀ of 8.07 μM. Wulfenioidin F interferes with the replication of the ZIKV by inhibiting the expression of the ZIKV envelope (E) protein ^[1] .
In Vitro	Wulfenioidin F shows no significant cytotoxicity toward Vero cells at 100 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Tu WC, et al. Wulfenioidins D-N, Structurally Diverse Diterpenoids with Anti-Zika Virus Activity Isolated from *Orthosiphon wulfenioides*. *J Nat Prod*. 2023 Sep 22.

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

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