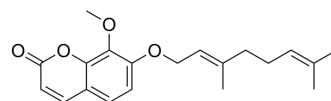


Collinin

Cat. No.:	HY-N8388
CAS No.:	34465-83-3
Molecular Formula:	C ₂₀ H ₂₄ O ₄
Molecular Weight:	328.4
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Collinin is an anti-tubercular agent, it can be isolated from leaves of <i>Z. schinifolium</i> . Collinin has an excellent anti-tuberculosis effect against multidrug-resistant (MDR), extensively drug-resistant (XDR) strains ^[1] .
In Vitro	Collinin significantly inhibits the growth of MDR and XDR M. tuberculosis in the culture broth with 50% minimum inhibitory concentrations (MIC ₅₀ s) of 3.13-6.25 µg/mL ^[1] . Collinin inhibits the growth of intracellular drug-susceptible and drug-resistant tuberculosis in Raw264.7 and A549 cells with MIC ₅₀ s of 6.25-12.50 µg/mL ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kim S, et al. In vitro activity of collinin isolated from the leaves of *Zanthoxylum schinifolium* against multidrug- and extensively drug-resistant *Mycobacterium tuberculosis*. *Phytomedicine*. 2018 Jul 15;46:104-110.

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

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