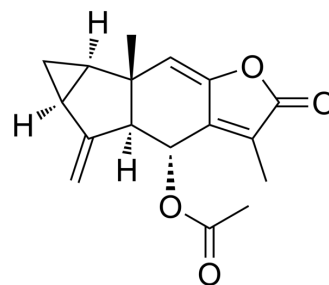


Chlojaponilactone B

Cat. No.:	HY-N8413
CAS No.:	1449382-91-5
Molecular Formula:	C ₁₇ H ₁₈ O ₄
Molecular Weight:	286.32
Target:	Toll-like Receptor (TLR); Reactive Oxygen Species; NF-κB
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Chlojaponilactone B is a lindenane-type sesquiterpenoid with anti-inflammatory properties. Chlojaponilactone B suppresses inflammatory responses by inhibiting TLR4 and subsequently decreasing reactive oxygen species (ROS) generation, downregulating the NF-κB, thus reducing the expression of the pro-inflammatory cytokines iNOS, NO, COX-2, IL-6 and TNF-α^[1].

REFERENCES

[1]. Shaoxia Ye, et al. Chlojaponilactone B Attenuates Lipopolysaccharide-Induced Inflammatory Responses by Suppressing TLR4-Mediated ROS Generation and NF-κB Signaling Pathway. *Molecules*. 2019 Oct 16;24(20):3731.

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

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