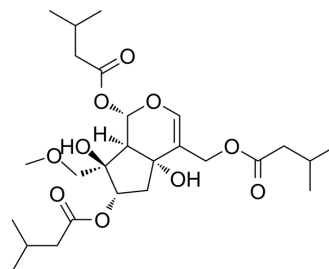


Heterophdoid A

Cat. No.:	HY-147811
CAS No.:	2756016-53-0
Molecular Formula:	C ₂₆ H ₄₂ O ₁₀
Molecular Weight:	514.61
Target:	NO Synthase; COX; Reactive Oxygen Species
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	Heterophdoid A (Compound 1) is an anti-inflammatory agent. Heterophdoid A inhibits NO production with an IC ₅₀ of 5.93 μM in BV-2 cells ^[1] .	
IC₅₀ & Target	NO production 5.93 μM (IC ₅₀)	COX-2
In Vitro	Heterophdoid A (Compound 1) (0-10 μM) decreases the expression of iNOS and COX-2 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	Heterophdoid A (Compound 1) (0-10 μM) suppresses ROS and NO dose-dependently in a zebrafish model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Wu P, et al. Natural iridoids from *Patrinia heterophylla* showing anti-inflammatory activities in vitro and in vivo. *Bioorg Chem.* 2020 Nov;104:104331.

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

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