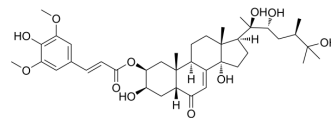


2-O-Sinapoyl makisterone A

Cat. No.:	HY-N11880
Molecular Formula:	C ₃₉ H ₅₆ O ₁₁
Molecular Weight:	700.86
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2-O-Sinapoyl makisterone A (compound 2), a sinapinic acid-ecdysterone hybrid, is a selective inhibitor of COX-2. 2-O-Sinapoyl makisterone A significantly inhibits the expression of COX-2 protein ^[1] .
IC₅₀ & Target	COX-2 ^[1]
In Vivo	2-O-Sinapoyl makisterone A (compound 2) MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kakumu Y, et al. Identification of Ecdysteroid Sinapate Esters with COX-2 Inhibitory Effects from *Fibraurea recisa* Using Molecular Networking and MS2LDA. *J Nat Prod.* 2023 Aug 25;86(8):1960-1967.

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

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