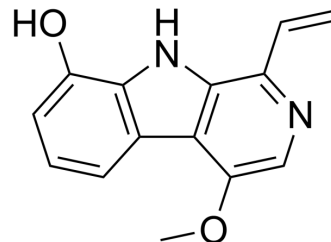


Picrasidine I

Cat. No.:	HY-N3071
CAS No.:	100234-59-1
Molecular Formula:	C ₁₄ H ₁₂ N ₂ O ₂
Molecular Weight:	240.26
Target:	Apoptosis; Reactive Oxygen Species
Pathway:	Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Picrasidine I is an anti-inflammatory and anti-osteoclastogenic dimeric alkaloid that can be isolated from *Picrasma quassioides*. Picrasidine I induces cell cycle arrest, and triggers cell apoptosis by downregulates ERK and Akt pathways. Picrasidine I inhibits the activation of MAPKs, NF-κB and ROS generation, and suppresses the expression of c-Fos and NFATc1^{[1][2]}.

REFERENCES

[1]. Ho HY, et al. Picrasidine I Triggers Heme Oxygenase-1-Induced Apoptosis in Nasopharyngeal Carcinoma Cells via ERK and Akt Signaling Pathways. *Int J Mol Sci.* 2022 May 29;23(11):6103.

[2]. Kong L, et al. Picrasidine I from *Picrasma Quassioides* Suppresses Osteoclastogenesis via Inhibition of RANKL Induced Signaling Pathways and Attenuation of ROS Production. *Cell Physiol Biochem.* 2017;43(4):1425-1435.

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

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