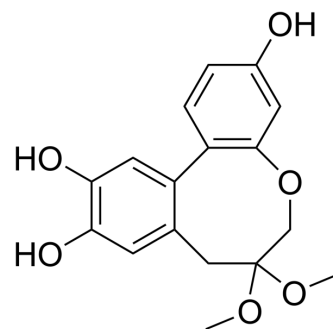


Protosappanin A dimethyl acetal

Cat. No.:	HY-N10108
CAS No.:	868405-37-2
Molecular Formula:	C ₁₇ H ₁₈ O ₆
Molecular Weight:	318.32
Target:	Xanthine Oxidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Protosappanin A dimethyl acetal is a homoisoflavonoid. Protosappanin A dimethyl acetal can be isolated from Caesalpinia sappan. Protosappanin A dimethyl acetal is also a competitive inhibitor with significant xanthine oxidase inhibitory activity (IC ₅₀ =50.7 μM) ^[1] .
In Vitro	Protosappanin A dimethyl acetal (0.2-100 μM) dose-dependently inhibits the activity of xanthine oxidase, with a K _i value of 26.9 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nguyen MT, Awale S, Tezuka Y, Tran QL, Kadota S. Xanthine oxidase inhibitors from the heartwood of Vietnamese Caesalpinia sappan. Chem Pharm Bull (Tokyo). 2005 Aug;53(8):984-8.

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

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