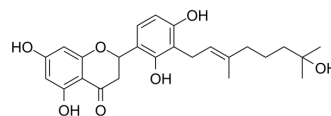


Mortatarin F

Cat. No.:	HY-N11840
Molecular Formula:	C ₂₅ H ₃₀ O ₇
Molecular Weight:	442.5
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Mortatarin F (Compound 1) is an inhibitor of α -glucosidase with an IC₅₀ of 8.7 μ M. Mortatarin F is a prenylated flavonoid that can be isolated from mulberry leaves and can be used for hypoglycemic research^[1].

REFERENCES

[1]. Tian JL, et.al. Inhibitory Mechanism of Prenylated Flavonoids Isolated from Mulberry Leaves on α -Glucosidase by Multi-Spectroscopy and Molecular Dynamics Simulation. J Agric Food Chem. 2023 Jun 14;71(23):9135-9147.

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

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