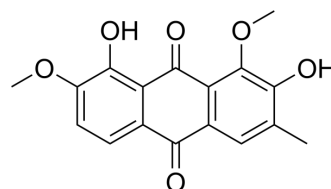


7-Methoxy obtusifolin

Cat. No.:	HY-N11521
CAS No.:	1820806-09-4
Molecular Formula:	C ₁₇ H ₁₄ O ₆
Molecular Weight:	314.29
Target:	Tyrosinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	7-Methoxy obtusifolin (Compound 4) is a competitive tyrosinase inhibitor with an IC ₅₀ of 7.0 μM ^[1] .
IC ₅₀ & Target	IC ₅₀ : 7.0 μM (Tyrosinase) ^[1]
In Vitro	7-Methoxy obtusifolin (Compound 4; 10 μM; 48 h) blocks α-MSH-induced melanogenesis in B16F10 cells ^[1] . 7-Methoxy obtusifolin (10 μM; 48 h) inhibits melanin production by suppressing TRP-2 expression ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lee GY, et al. Tyrosinase inhibitory components from the seeds of Cassia tora. Arch Pharm Res. 2018 May;41(5):490-496.

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

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