



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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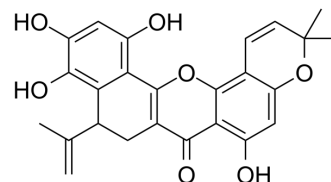
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Artobiloxanthone

Cat. No.:	HY-N12960
Molecular Formula:	C ₂₅ H ₂₂ O ₇
Molecular Weight:	434.44
Target:	Apoptosis; Bcl-2 Family; Caspase; COX; MMP; STAT
Pathway:	Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; JAK/STAT Signaling; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Artobiloxanthone (Compound AA3) exhibits antitumor activity, particularly against oral squamous cell carcinoma (OSCC). Artobiloxanthone inhibits Akt/mTOR pathway and STAT3 pathway, inhibits proliferation of SAS and T.Tn (with IC₅₀ of 11 and 22 μM), and inhibits the cancer cell migration. Artobiloxanthone arrests cell cycle at S phase, and induces apoptosis in OSCC cells through activation of caspase 3/9^[1].

REFERENCES

[1]. Aswathy M, et al., Natural Prenylflavones from the Stem Bark of *Artocarpus altilis*: Promising Anticancer Agents for Oral Squamous Cell Carcinoma Targeting the Akt/mTOR/STAT-3 Signaling Pathway. *ACS Omega*. 2024 May 24;9(23):24252-24267.

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

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