

Artobiloxanthone

Chemical Properties

CAS No. :

Formula: C₂₅H₂₂O₇

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Artobiloxanthone (Compound AA3) exhibits antitumor activity, particularly against oral squamous cell carcinoma (OSCC). It inhibits the Akt/mTOR and STAT3 pathways, thereby suppressing the proliferation of SAS and T.Tn cells with IC ₅₀ values of 11 and 22 μM, respectively, as well as cancer cell migration. Artobiloxanthone induces cell apoptosis in OSCC by activating caspase3/9 and causes cell cycle arrest at the S phase.
Targets(IC ₅₀)	Apoptosis,MMP,Bcl-2 Family,Caspase,STAT,COX

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