

Episilvestrol

Catalog No: tcsc0743



Available Sizes

Size: 500ug

Size: 1mg



Specifications

CAS No:

697235-39-5

Formula:

$C_{34}H_{38}O_{13}$

Pathway:

Cell Cycle/DNA Damage

Target:

Eukaryotic Initiation Factor (eIF)

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

654.66

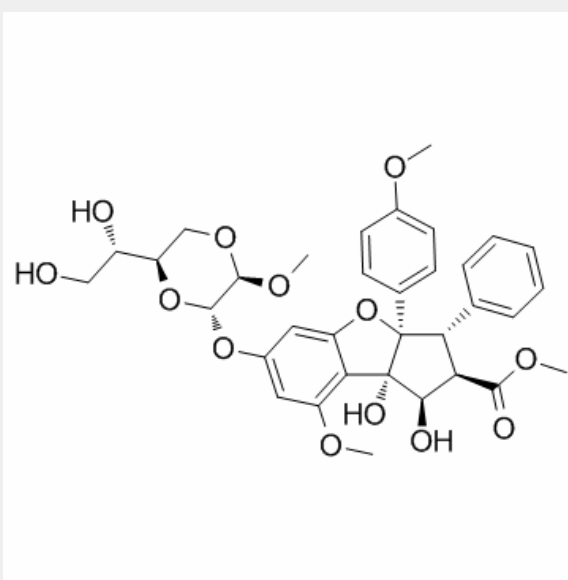
Product Description

Episilvestrol is a derivative of silvestrol, isolated from the fruits and twigs of *Aglaia silvestris*, and is a specific **eIF4A**-targeting translation inhibitor, with antitumor activity.

IC50 & Target: eIF4A^[1]

In Vitro: Episilvestrol is a specific eIF4A-targeting translation inhibitor, with antitumor activity^[1]. Episilvestrol is cytotoxic activity

against several human cancer cell lines, such as Lu1, LNCaP, MCF-7 and HUVEC cells, with ED₅₀s of 3.8, 3.8, 5.5 and 15.3 nM, respectively^[2]. The GI₅₀s of Episilvestrol against the cell proliferation of NCI-H460 and MCF-7 cells are 17.96 nM and 17.96 nM after first test and 15.6 nM and 18.7 nM after 2 months via SRB assay. Episilvestrol also suppresses HK1 cells and EBV-positive C666.1 NPC cells^[3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!