
Product Data Sheet

Product Name: Tigloylgomisin H

Cat. No.: GC37791

Chemical Properties

Cas. No. 66069-55-4

SMILES COC(C(OC)=C1)=C(OC(/C(C)=C/C)=O)C2=C1CC(C)C(C)(O)CC3=C2C(OC)=C(OC)C(OC)=C3Formula C₂₈H₃₆O₈ M.Wt 500.58

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Tigloylgomisin H is a lignan isolated from the fruits of *S. chinensis*, can induce quinone reductase (QR) activity in Hepa1c1c7 mouse hepatocarcinoma cells. Tigloylgomisin H functions as a monofunctional inducer that specifically upregulates phase II detoxification enzyme NQO1 through the NF-E2-related factor 2 (Nrf2)-ARE pathway, thus represents a potential liver cancer prevention agent[1].

[1]. Lee SB, et al. Induction of the phase II detoxification enzyme NQO1 in hepatocarcinoma cells by lignans from the fruit of *Schisandra chinensis* through nuclear accumulation of Nrf2. *Planta Med.* 2009 Oct;75(12):1314-8.

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

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