

Tigloylgomisin P

Chemical Properties

CAS No. : 69176-51-8

Formula: C₂₈H₃₄O₉

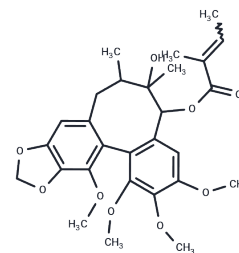
Molecular Weight: 514.56

Storage:

Keep away from moisture, Store at low temperature,
Keep away from direct sunlight

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	Tigloylgomisin P (Tiglogomisin P) is a lignan that can be extracted from the fruits of Schisandra chinensis, with anti-HIV and anticancer activities, useful in lung cancer research.
Targets(IC50)	HIV Protease
In vitro	Tigloylgomisin P exhibited cytotoxicity against KB cells and A549 cells, with the half-maximal growth inhibitory concentrations being 28 and 18.77 μ M, respectively.

Solubility Information

Solubility	DMSO: 40 mg/mL (77.74 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9434 mL	9.717 mL	19.4341 mL
5 mM	0.3887 mL	1.9434 mL	3.8868 mL
10 mM	0.1943 mL	0.9717 mL	1.9434 mL
50 mM	0.0389 mL	0.1943 mL	0.3887 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Rubrisandrins A and B, lignans and related anti-HIV compounds from *Schisandra rubriflora*. *J Nat Prod.* 2006 Dec; 69(12):1697-701.

Yan Lu, et al. Cytotoxic and potential anticancer constituents from the stems of *Schisandra pubescens*. *Pharm Biol.* 2013 Sep;51(9):1204-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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