

Tigloylgomisin P

Chemical Properties

CAS No.:	69176-51-8
Formula:	C ₂₈ H ₃₄ O ₉
Molecular Weight:	514.56
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Tigloylgomisin P shows moderate to marginal cytotoxicity against A549, PC-3, KB and KBv in human cancer cell lines.
Targets(IC ₅₀)	others: None
In vitro	Bioactivity-directed fractionation of an ethanolic extract of the fruits of <i>Schisandra rubriflora</i> led to the isolation and identification of dibenzocyclooctadiene lignans including the new lignans rubrisandrins A (1a + 1b) and B (2) and the known lignans gomisin J (3), (+/-)-gomisin M1 (4), (+)-gomisin M2 (5), schisanhenol (6), deoxyschisandrin, schisantherin B, schisandrin, Tigloylgomisin P, gomisin O, angeloylgomisin P, and epigomisin O. Their structure and stereochemistry were determined by spectroscopic methods, including 2D-NMR techniques.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.943 mL	9.717 mL	19.434 mL
5 mM	0.389 mL	1.943 mL	3.887 mL
10 mM	0.194 mL	0.972 mL	1.943 mL
50 mM	0.039 mL	0.194 mL	0.389 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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