

Angeloylgomisin O

Chemical Properties

CAS No.:	83864-69-1
Formula:	C ₂₈ H ₃₄ O ₈
Molecular Weight:	498.57
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Angeloylgomisin O is a natural product from Schisandra chinensis.
Targets(IC ₅₀)	others: None
In vitro	Using spectroscopic data and comparison with available literature, the following compounds were identified: (1) wuweizisu C, (2) gomisin N, (3) deoxyschisandrin, (4) gomisin A, (5) schisandrin, (6) chamigrenal, (7) schisanlactone D, (8) methylgomisin O, (9) Angeloylgomisin O, (10) (-)-gomisin L2, (11) schisandronic acid, (12) (-)-gomisin L1, (13) (+)-gomisin K3, (14) gomisin J, and (15) tigloylgomisin H. Notably, this was the first finding that compound (8) was isolated from this plant. Each compound was evaluated for its in vitro cytotoxic activities toward HL-60 (human leukemia), HeLa (human cervical carcinoma), and MCF-7 (breast cancer) cell lines. Compounds (7), (8), and (9) exhibited strong cytotoxic effects on HL-60 (IC ₅₀ 7.37, 6.60, and 8.00 µM, respectively), whereas compound (6) exhibited weak cytotoxicity towards MCF-7 (IC ₅₀ 30.50 µM). In addition, compound (8) showed the strongest activity towards HeLa cells (IC ₅₀ 1.46 µM).

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	2.006 mL	10.029 mL	20.057 mL
5 mM	0.401 mL	2.006 mL	4.011 mL
10 mM	0.201 mL	1.003 mL	2.006 mL
50 mM	0.04 mL	0.201 mL	0.401 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. The Antiproliferative Effects of Compounds Isolated from Schisandra chinensis. Korean Journal of Food Science & Technology, 2014, 46(6):665-670.

Inhibitors · Natural Compounds · Compound Libraries

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