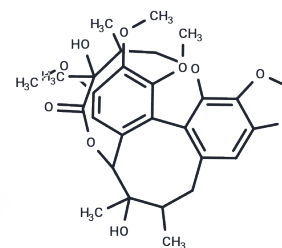


Gomisin D

Chemical Properties

CAS No. :	60546-10-3
Formula:	C ₂₈ H ₃₄ O ₁₀
Molecular Weight:	530.56
Storage:	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	Gomisin D is a natural product. Gomisin D is used as a quality marker of Shengmai San and shenqi Jiangtang Granule. Gomisin D is a potential antidiabetic and anti-Alzheimer's agent.
Targets(IC50)	Others, UGT
In vitro	Using exhaustive chromatographic separation we have isolated (-)-tigloyl-deangeloyl-gomisin F as a novel dibenzocyclooctadiene lignan from schisandra chinensis. With the help of HPLC, we further isolated (+)-schisandrin, (+)-deoxyschisandrin, (+)-γ-schisandrin, (-)-gomisin J, (+)-gomisin A, (-)-gomisin N, (-)-tigloyl-gomisin P, (-)-wuweizisu C, (-)-Gomisin D, rubrisandrin A, (-)-gomisin G, (+)-gomisin K (3) and (-)-schisantherin C. A full NMR description of (-)-schisantherin C was carried out with the aim to confirm previous reports of its structure. Compounds isolated were identified on the basis of UV, IR, (1)H- and (13)C-NMR and MS. The cytotoxicity of lignans was tested for the BY-2 cell line alone and as a synergistic effect with the cytotoxic agent camptothecin.

Solubility Information

Solubility	DMSO: 9 mg/mL (16.96 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	1.8848 mL	9.424 mL	18.848 mL
5 mM	0.377 mL	1.8848 mL	3.7696 mL
10 mM	0.1885 mL	0.9424 mL	1.8848 mL
50 mM	0.0377 mL	0.1885 mL	0.377 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

Evaluation of cytotoxic activity of Schisandra chinensis lignans. *Planta Med.* 2010 Oct;76(15):1672-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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