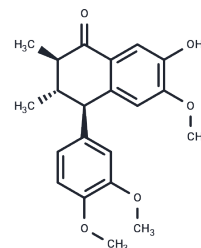


## Epischisandrone

## Chemical Properties

CAS No. :	98619-26-2
Formula:	C <sub>21</sub> H <sub>24</sub> O <sub>5</sub>
Molecular Weight:	356.41
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	Epischisandrone is a natural product for research related to life sciences. The catalog number is TN6629 and the CAS number is 98619-26-2.
In vitro	The diethyl ether extract of the stems of <i>Schisandra pubescens</i> Hemsl. et Wils. (Schisandraceae) was found to exhibit cytotoxic activity in vitro. However, investigations of the bioactive constituents of this plant have been very limited. Elucidation of the cytotoxic constituents of <i>S. pubescens</i> was performed. METHODS AND RESULTS: Repeated silica gel column chromatography and preparative TLC were used for the chemical investigation of the diethyl ether extract of <i>S. pubescens</i> stems. All isolates were evaluated for their in vitro cytotoxicity against A549, PC-3, KB and KBvin human cancer cell lines. Nine known compounds were obtained, including four lignans, Epischisandrone (1), tigloylgomisin P (2), cagayanone (3) and (-)-gomisin L2 (4), together with five triterpenoids, micranoic acid B (5), lancifodilactone H (6), coccinic acid (7), schisanlactone B (8) and anwuweizonic acid (9). Compounds 2-6 and 8 showed moderate to marginal cytotoxicity, with GI <sub>50</sub> values of 11.83-35.65 μM. CONCLUSIONS: The isolation of 1-9 from <i>S. pubescens</i> and the cytotoxicities of 3-6 are first reported. Compounds 2-6 and 8 could be the active principles responsible for the anticancer effects of <i>S. pubescens</i> .

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8058 mL	14.0288 mL	28.0576 mL
5 mM	0.5612 mL	2.8058 mL	5.6115 mL
10 mM	0.2806 mL	1.4029 mL	2.8058 mL
50 mM	0.0561 mL	0.2806 mL	0.5612 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

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

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