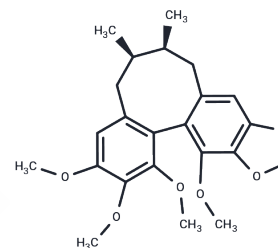


## Gomisin N

## Chemical Properties

CAS No. :	69176-52-9
Formula:	C <sub>23</sub> H <sub>28</sub> O <sub>6</sub>
Molecular Weight:	400.46
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 N, isolated from Schisandra chinensis, exhibits sedative and hypnotic bioactivity. It has potential applications in allergy treatment and inhibits proliferation while inducing apoptosis in cancer cells.
Targets(IC50)	Apoptosis,Akt,Caspase,Nrf2,NO Synthase,AMPK,GSK-3,Interleukin,PARP,PERK

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (56.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.99 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4971 mL	12.4856 mL	24.9713 mL
5 mM	0.4994 mL	2.4971 mL	4.9943 mL
10 mM	0.2497 mL	1.2486 mL	2.4971 mL
50 mM	0.0499 mL	0.2497 mL	0.4994 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

Zhang C, et al. Gomisin N isolated from Schisandra chinensis augments pentobarbital-induced sleep behaviors through the modification of the serotonergic and GABAergic system. *Fitoterapia*. 2014 Jul;96:123-30.

Chae HS, et al. Gomisin N has anti-allergic effect and inhibits inflammatory cytokine expression in mouse bone marrow-derived mast cells. *Immunopharmacol Immunotoxicol*. 2011 Dec;33(4):709-13.

Yim SY, et al. Gomisin N isolated from Schisandra chinensis significantly induces anti-proliferative and pro-apoptotic effects in hepatic carcinoma. *Mol Med Rep*. 2009 Sep-Oct;2(5):725-32.

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