



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

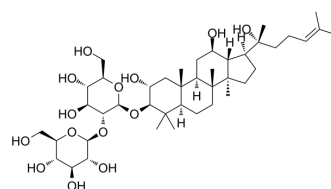
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Gypenoside LI

<b>Cat. No.:</b>	HY-N8207
<b>CAS No.:</b>	94987-10-7
<b>Molecular Formula:</b>	C <sub>42</sub> H <sub>72</sub> O <sub>14</sub>
<b>Molecular Weight:</b>	801.01
<b>Target:</b>	Apoptosis; MicroRNA
<b>Pathway:</b>	Apoptosis; Epigenetics
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (124.84 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.2484 mL	6.2421 mL	12.4842 mL
5 mM	0.2497 mL	1.2484 mL	2.4968 mL
10 mM	0.1248 mL	0.6242 mL	1.2484 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Gypenoside LI, a gypenoside monomer, possesses anti-tumor activity. Gypenoside LI induces cell apoptosis, cell cycle and migration<sup>[1][2]</sup>.

#### In Vitro

Gypenoside LI (0-80 μM) inhibits A549 cells in a dose-dependent manner. Gypenoside LI induces G2/M and arrest apoptosis in A549 cells<sup>[1]</sup>.

Gypenoside LI increases intracellular ROS level. Gypenoside LI suppressed migration of A549 cells<sup>[1]</sup>.

Gypenoside LI could obviously suppress the expression of CDK1 protein rather than CDK2 and CDK4 proteins<sup>[1]</sup>.

Gypenoside LI inhibits cell proliferation and upregulates expression of miR-128-3p in melanoma cells<sup>[2]</sup>.

Gypenoside LI (75 and 29.71 μg/mL) can induce intrinsic apoptosis along with S phase arrest. Gypenoside LI inhibited the colony formation ability of melanoma through inhibition of the Wnt/β-catenin signaling pathway<sup>[2]</sup>.

Gypenoside LI induces PARP cleavage, increased the expression of cleaved caspase-9 and BID death agonist, and downregulates the expression of FLIP (long form) and BCL-2 in the A375 and SK-MEL-28 melanoma cells<sup>[2]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay<sup>[1]</sup>

Cell Line:	A549 cells.
------------	-------------

Concentration:	0-80 $\mu$ M.
Incubation Time:	24 h.
Result:	Displayed the strongest activity with the IC <sub>50</sub> values of 21.36 $\pm$ 0.78 $\mu$ M.

## REFERENCES

- [1]. Shao-Fang Xing, et al. The inhibitory effect of gypenoside stereoisomers, gypenoside L and gypenoside LI, isolated from Gynostemma pentaphyllum on the growth of human lung cancer A549 cells. J Ethnopharmacol. 2018 Jun 12;219:161-172.
- [2]. Ma-Li Zu, et al. Monomer gypenoside LI from Gynostemma pentaphyllum inhibits cell proliferation and upregulates expression of miR-128-3p in melanoma cells. J Biochem Mol Toxicol. 2020 May;34(5):e22460.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA