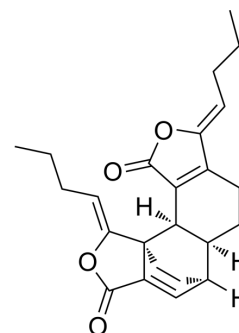


## Levistolide A

<b>Cat. No.:</b>	HY-N1472		
<b>CAS No.:</b>	88182-33-6		
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>28</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	380.48		
<b>Target:</b>	Apoptosis		
<b>Pathway:</b>	Apoptosis		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (262.83 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6283 mL	13.1413 mL	26.2826 mL
	5 mM	0.5257 mL	2.6283 mL	5.2565 mL
	10 mM	0.2628 mL	1.3141 mL	2.6283 mL

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

#### In Vivo

- Add each solvent one by one: 0.5% CMC/saline water  
Solubility: 3.33 mg/mL (8.75 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (6.57 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (6.57 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Levistolide A (LA), a natural compound isolated from the traditional Chinese herb *Ligusticum chuanxiong* Hort, is used for treating cancer. Levistolide A can induce apoptosis via ROS-mediated ER stress pathway<sup>[1]</sup>.

### CUSTOMER VALIDATION

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- Viruses. 2022, 14(2), 258.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Yang Y,et al. Levistolide A Induces Apoptosis via ROS-Mediated ER Stress Pathway in Colon Cancer Cells. Cell Physiol Biochem 2017;42:929-938.

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

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