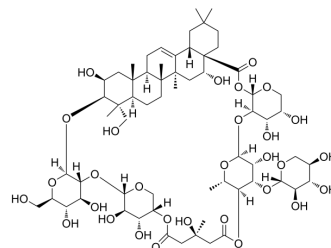


## Tubeimoside II

<b>Cat. No.:</b>	HY-N0891		
<b>CAS No.:</b>	115810-12-3		
<b>Molecular Formula:</b>	C <sub>63</sub> H <sub>98</sub> O <sub>30</sub>		
<b>Molecular Weight:</b>	1335.43		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<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 (74.88 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.7488 mL	3.7441 mL	7.4882 mL
5 mM	0.1498 mL	0.7488 mL	1.4976 mL
10 mM	0.0749 mL	0.3744 mL	0.7488 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (1.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (1.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (1.87 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Tubeimoside II (Tubeimoside-B) is a natural analogue of oleanane type of triterpenoid saponin; show anti-inflammatory, antitumor, and antitumor-promoting effects. IC50 value: Target: The anti-inflammatory, anti-tumor, and anti-tumorigenic activities of tubeimoside II are stronger than those of tubeimoside I, and the acute toxicity of tubeimoside II is lower than that of tubeimoside I; the anti-inflammatory, anti-tumor, and anti-tumorigenic activities of tubeimoside III are stronger than those of tubeimoside II, and the acute toxicity of tubeimoside III is also stronger than that of tubeimoside II.

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## REFERENCES

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[1]. Yu TX, et al. Structure-activity relationship of tubeimosides in anti-inflammatory, antitumor, and antitumor-promoting effects. *Acta Pharmacol Sin.* 2001 May;22(5):463-8.

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**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](mailto:tech@MedChemExpress.com)

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