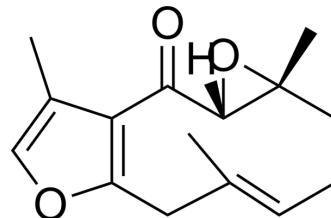


## Zederone

Cat. No.: HY-N1050  
 CAS No.: 7727-79-9  
 Molecular Formula: C<sub>15</sub>H<sub>18</sub>O<sub>3</sub>  
 Molecular Weight: 246.3  
 Storage: -20°C, protect from light  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 80 mg/mL (324.81 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.0601 mL	20.3004 mL	40.6009 mL
	5 mM		0.8120 mL	4.0601 mL	8.1202 mL
	10 mM		0.4060 mL	2.0300 mL	4.0601 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Zederone, a germacranolide-type sesquiterpene, has potently cytotoxic against human white blood cancer cells and human prostate cancer cells. Zederone significantly inhibits the proliferation and downregulates the protein expressions of mTOR, and phosphorylated p70 S6 kinase (p-p70s6K) in SKOV3 cells<sup>[1][2]</sup>.

**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