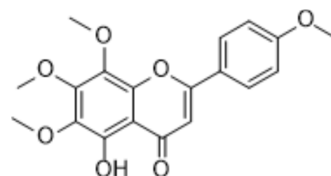


## Gardenin B

Cat. No.:	HY-N6037
CAS No.:	2798-20-1
Molecular Formula:	C <sub>19</sub> H <sub>18</sub> O <sub>7</sub>
Molecular Weight:	358.34
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (27.91 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	<div>Solvent Concentration</div>	Mass	1 mg	5 mg	10 mg
		1 mM	2.7906 mL	13.9532 mL	27.9065 mL	
		5 mM	0.5581 mL	2.7906 mL	5.5813 mL	
		10 mM	0.2791 mL	1.3953 mL	2.7906 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.98 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 1.67 mg/mL (4.66 mM); Suspended solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

Description	Gardenin B is a flavonoid isolated from Gardenia jasminoides. Gardenin B induces cell death in human leukemia cells involves multiple caspases <sup>[1]</sup> .
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### CUSTOMER VALIDATION

- European Chemical Bulletin. 2023 Mar 18,12(5), 6118–6128.

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

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## REFERENCES

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[1]. Cabrera J, et al. Gardenin B-induced cell death in human leukemia cells involves multiple caspases but is independent of the generation of reactive oxygen species. Chem Biol Interact. 2016 Aug 25;256:220-7.

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

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