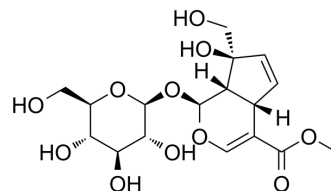


Gardenoside

Cat. No.:	HY-N1478
CAS No.:	24512-62-7
Molecular Formula:	C ₁₇ H ₂₄ O ₁₁
Molecular Weight:	404.37
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (247.30 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.4730 mL	12.3649 mL	24.7298 mL
		5 mM		0.4946 mL	2.4730 mL	4.9460 mL
10 mM		0.2473 mL	1.2365 mL	2.4730 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.18 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.18 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.18 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Gardenoside is a natural compound found in Gardenia fruits, with hepatoprotective properties. Gardenoside suppresses the pain of chronic constriction injury by regulating the P2X3 and P2X7 receptors. Gardenoside has an inhibitory effect on free fatty acids (FFA)-induced cellular steatosis ^{[1][2]} .
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REFERENCES

[1]. Yu M, Su B, et al. Gardenoside suppresses the pain in rats model of chronic constriction injury by regulating the P2X3 and P2X7 receptors. J Recept Signal Transduct Res. 2018 Jun;38(3):198-203.

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

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