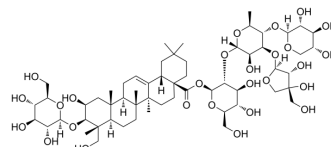


Polygalasaponin V

Cat. No.:	HY-N2169
CAS No.:	162857-65-0
Molecular Formula:	C ₅₈ H ₉₄ O ₂₇
Molecular Weight:	1223.35
Target:	Bacterial
Pathway:	Anti-infection
Storage:	-20°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 (81.74 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	0.8174 mL	4.0871 mL	8.1743 mL
				5 mM	0.1635 mL	0.8174 mL	1.6349 mL
				10 mM	0.0817 mL	0.4087 mL	0.8174 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 (2.04 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.04 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.04 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Polygalasaponin V is a triterpenoid saponin isolated from the aerial parts of <i>Polygala japonica</i> . <i>Polygala japonica</i> has been a folk medicine herb used as expectorant, anti-inflammatory, antibacterial and antidepressant agents in the south of China ^[1] .
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REFERENCES

[1]. Li TZ, et al. Saponins from *Polygala japonica* and their effects on a forced swimming test in mice. *J Nat Prod.* 2006 Apr;69(4):591-4.

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

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