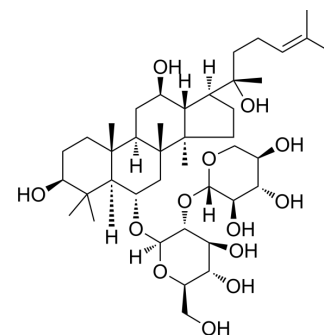


Notoginsenoside R2

Cat. No.:	HY-N0909
CAS No.:	80418-25-3
Molecular Formula:	C ₄₁ H ₇₀ O ₁₃
Molecular Weight:	770.99
Target:	Apoptosis
Pathway:	Apoptosis
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 (129.70 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.2970 mL	6.4852 mL	12.9703 mL
		5 mM	0.2594 mL	1.2970 mL	2.5941 mL
10 mM	0.1297 mL	0.6485 mL	1.2970 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 (3.24 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.24 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.24 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Notoginsenoside R2 is a newly isolated notoginsenoside from <i>Panax notoginseng</i> , showed neuroprotective effects against 6-OHDA-induced oxidative stress and apoptosis.
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REFERENCES

[1]. Meng XB, et al. P90RSK and Nrf2 Activation via MEK1/2-ERK1/2 Pathways Mediated by Notoginsenoside R2 to Prevent 6-Hydroxydopamine-Induced Apoptotic Death in SH-SY5Y Cells. *Evid Based Complement Alternat Med.* 2013;2013:971712.

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

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