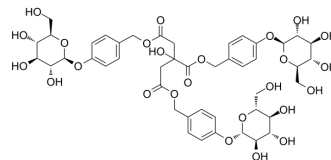


Parishin

Cat. No.:	HY-N2031
CAS No.:	62499-28-9
Molecular Formula:	C ₄₅ H ₅₆ O ₂₅
Molecular Weight:	996.91
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 : 125 mg/mL (125.39 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.0031 mL	5.0155 mL	10.0310 mL
				5 mM	0.2006 mL	1.0031 mL	2.0062 mL
				10 mM	0.1003 mL	0.5015 mL	1.0031 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: ≥ 6.25 mg/mL (6.27 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 6.25 mg/mL (6.27 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 6.25 mg/mL (6.27 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Parishin is a phenolic glucoside isolated from <i>Gastrodia elata</i> . Parishin exhibits antiaging effects and extends the lifespan of yeast via regulation of Sir2/Uth1/TOR signaling pathway ^[1] .
IC ₅₀ & Target	Sir2/Uth1/TOR ^[1]
In Vitro	Parishin extends the replicative lifespan of K6001 yeast at 3, 10, and 30 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lin Y, et al. Parishin from *Gastrodia elata* Extends the Lifespan of Yeast via Regulation of Sir2/Uth1/TOR Signaling Pathway. *Oxid Med Cell Longev*. 2016;2016:4074690.

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

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