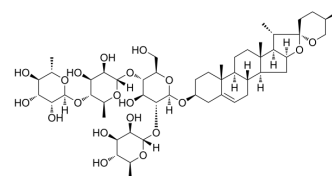


Formosanin C

Cat. No.:	HY-N2389
CAS No.:	50773-42-7
Molecular Formula:	C ₅₁ H ₈₂ O ₂₀
Molecular Weight:	1015.18
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 (98.50 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	1 mg	5 mg	10 mg
		1 mM	0.9850 mL	4.9252 mL	9.8505 mL
		5 mM	0.1970 mL	0.9850 mL	1.9701 mL
	10 mM	0.0985 mL	0.4925 mL	0.9850 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 (2.46 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.46 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Formosanin C is a diosgenin saponin isolated from Paris polyphylla and an immunomodulator with antitumor activity. Formosanin C induces apoptosis ^{[1][2]} .
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CUSTOMER VALIDATION

- Korean J Physiol Pharmacol. 2021 Sep 1;25(5):395-401.

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REFERENCES

- [1]. Wu RT, et al. Formosanin-C, an immunomodulator with antitumor activity. *Int J Immunopharmacol.* 1990;12(7):777-86.
- [2]. Li Y, et al. The antitumor effect of formosanin C on HepG2 cell as revealed by ¹H-NMR based metabolic profiling. *Chem Biol Interact.* 2014 Sep 5;220:193-9.
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Caution: Product has not been fully validated for medical applications. For research use only.

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