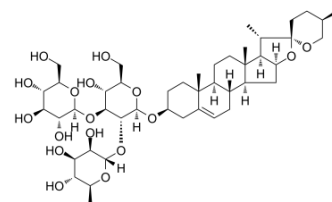


Gracillin

Cat. No.:	HY-N0706
CAS No.:	19083-00-2
Molecular Formula:	C ₄₅ H ₇₂ O ₁₇
Molecular Weight:	885.04
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 : 250 mg/mL (282.47 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.1299 mL	5.6495 mL	11.2989 mL
		5 mM	0.2260 mL	1.1299 mL	2.2598 mL
		10 mM	0.1130 mL	0.5649 mL	1.1299 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (2.35 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Gracillin is a kind of steroidal saponin isolated from the root bark of wild yam <i>Dioscorea nipponica</i> with antitumor agent. Gracillin could induce cell cycle arrest, oxidative stress, and apoptosis in HL60 cells.[1]
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REFERENCES

[1]. Chen CR et al. Gracillin induces apoptosis in HL60 human leukemic cell line via oxidative stress and cell cycle arrest of G1. *Pharmazie*. 2015 Mar;70(3):199-204.

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

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