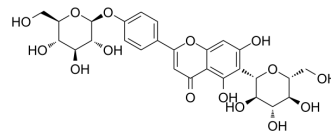


Isosaponarin

Cat. No.:	HY-N2589
CAS No.:	19416-87-6
Molecular Formula:	C ₂₇ H ₃₀ O ₁₅
Molecular Weight:	594.52
Target:	TGF-β Receptor
Pathway:	TGF-beta/Smad
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 (210.25 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.6820 mL	8.4101 mL	16.8203 mL
	5 mM	0.3364 mL	1.6820 mL	3.3641 mL
	10 mM	0.1682 mL	0.8410 mL	1.6820 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Isosaponarin is a flavone glycoside isolated from wasabi leaves. Isosaponarin increases collagen synthesis, caused by up-regulated TGF-β type II receptor (TβR-II) and prolyl 4-hydroxylase (P4H) proteins production^[1].

IC₅₀ & Target

Collagen synthesis^[1]

REFERENCES

[1]. Masashi Nagai, et al. The effect of isosaponarin isolated from wasabi leaf on collagen synthesis in human fibroblasts and its underlying mechanism. J Nat Med. 2010 Jul;64(3):305-12.

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

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