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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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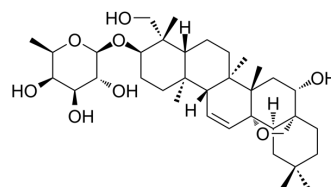
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Prosaikogenin G

Cat. No.:	HY-N7665
CAS No.:	99365-23-8
Molecular Formula:	C ₃₆ H ₅₈ O ₈
Molecular Weight:	618.84
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 : 50 mg/mL (80.80 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	
				5 mg	
				10 mg	
				10 mM	
			1 mg	5 mg	10 mg
	1 mM		1.6159 mL	8.0796 mL	16.1593 mL
	5 mM		0.3232 mL	1.6159 mL	3.2319 mL
	10 mM		0.1616 mL	0.8080 mL	1.6159 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: ≥ 1.25 mg/mL (2.02 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.02 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.02 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Prosaikogenin G, isolated from the roots of <i>Bupleurum chinensis</i> DC., exhibits significant inhibitory effects on rat mesangial cell proliferation induced by Ang II. Prosaikogenin G has protective action on the kidney ^[1] . Prosaikogenin G is a derivative of Saikosaponin d in the gastrointestinal tract ^[2] .
In Vitro	Prosaikogenin G (25, 50 μM) has protective action on the kidney for their down-regulated activity to the rat mesangial cell line (MC) proliferation induced by Ang II (1 μM), and does not exhibit injury to the normal MC ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nan Xu, et al. A new saikogenin from the roots of Bupleurum bicaule. Chin J Nat Med. 2014 Apr;12(4):305-8.

[2]. Pei Yu, et al. In vitro metabolism study of saikosaponin d and its derivatives in rat liver microsomes. Xenobiotica. 2017 Jan;47(1):11-19.

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

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