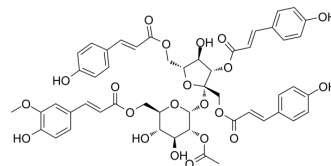


Vanicoside A

Cat. No.:	HY-N11003
CAS No.:	155179-22-9
Molecular Formula:	C ₅₁ H ₅₀ O ₂₁
Molecular Weight:	998.93
Target:	PKC
Pathway:	Epigenetics; 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 : 100 mg/mL (100.11 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	1.0011 mL	5.0054 mL	10.0107 mL
			5 mM	0.2002 mL	1.0011 mL	2.0021 mL
10 mM	0.1001 mL	0.5005 mL	1.0011 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: ≥ 2.5 mg/mL (2.50 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.50 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Vanicoside A is a protein kinase C(PKC) inhibitor from <i>Polygonum pensylvanicum</i> ^[1] .
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REFERENCES

[1]. Zimmermann ML, Sneden AT. Vanicosides A and B, protein kinase C inhibitors from *Polygonum pensylvanicum*. J Nat Prod. 1994 Feb;57(2):236-42.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA