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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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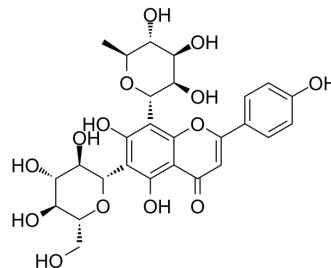
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Violanthin

Cat. No.:	HY-N6895
CAS No.:	40581-17-7
Molecular Formula:	C ₂₇ H ₃₀ O ₁₄
Molecular Weight:	578.52
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
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 (172.85 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.7285 mL	8.6427 mL	17.2855 mL
		5 mM	0.3457 mL	1.7285 mL	3.4571 mL
	10 mM	0.1729 mL	0.8643 mL	1.7285 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 (4.32 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (4.32 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Violanthin is isolated from the stems of <i>Dendrobium officinale</i> , has potent antioxidant and antibacterial activities. Violanthin inhibits acetylcholinesterase (AChE) with an IC ₅₀ value of 79.80 μM ^[1] .
IC ₅₀ & Target	AChE

REFERENCES

[1]. Dung HV, et al. Compounds from the aerial parts of *Piper bavinum* and their anti-cholinesterase activity. Arch Pharm Res. 2015;38(5):677-82.

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

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