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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

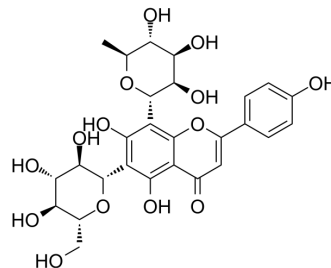
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	<p>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</p> <p>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</p>				

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.

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