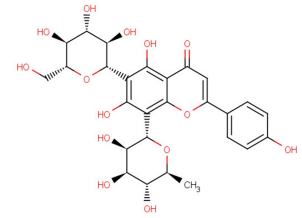


## Data Sheet (Cat.No.T13301)

### Violanthin

#### Chemical Properties

CAS No.:	40581-17-7
Formula:	C <sub>27</sub> H <sub>30</sub> O <sub>14</sub>
Molecular Weight:	578.52
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



#### Biological Description

Description	Violanthin is a natural product isolated from the aerial parts of Piper bavinum and inhibits acetylcholinesterase (AChE) (IC <sub>50</sub> : 79.80 μM). It has potent antioxidant and antibacterial activities.
Targets(IC <sub>50</sub> )	AChE: 79.80 μM

#### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.729 mL	8.643 mL	17.285 mL
5 mM	0.346 mL	1.729 mL	3.457 mL
10 mM	0.173 mL	0.864 mL	1.729 mL
50 mM	0.035 mL	0.173 mL	0.346 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

- 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.

Inhibitors · Natural Compounds · Compound Libraries

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