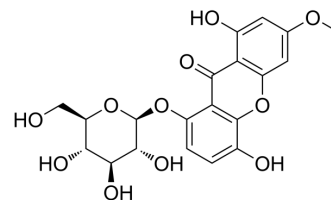


Swertianolin

Cat. No.:	HY-N2192
CAS No.:	23445-00-3
Molecular Formula:	C ₂₀ H ₂₀ O ₁₁
Molecular Weight:	436.37
Target:	Cholinesterase (ChE); HBV; Bacterial
Pathway:	Neuronal Signaling; Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (57.29 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.2916 mL	11.4582 mL	22.9163 mL
		5 mM	0.4583 mL	2.2916 mL	4.5833 mL
		10 mM	0.2292 mL	1.1458 mL	2.2916 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 (5.73 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Swertianolin, a xanthone isolated from <i>Gentiana Acuta</i> , inhibits acetylcholinesterase (AChE). Swertianolin also exhibits anti-HBV and anti-bacterial activity ^{[1][2]} .
IC₅₀ & Target	AChE

REFERENCES

- [1]. Urbain A, et al. Xanthones from *Gentiana campestris* as new acetylcholinesterase inhibitors. *Planta Med.* 2004 Oct;70(10):1011-4.
- [2]. Xiu-Qiao Zhang, et al. Anti-HBV Activities of Xanthones From *Swertia Punicea* Hemsl. *N A J Med Sci.* 2014;7(2):72-74.

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

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