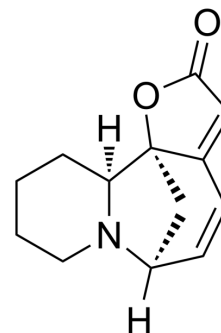


Allosecurinine

Cat. No.:	HY-N2377
CAS No.:	884-68-4
Molecular Formula:	C ₁₃ H ₁₅ NO ₂
Molecular Weight:	217.26
Target:	Parasite
Pathway:	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 : 50 mg/mL (230.14 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	4.6028 mL	23.0139 mL	46.0278 mL
				5 mM	0.9206 mL	4.6028 mL	9.2056 mL
				10 mM	0.4603 mL	2.3014 mL	4.6028 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: ≥ 2.08 mg/mL (9.57 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (5.75 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Allosecurinine (Phyllochrysinine) is a Securinega alkaloid isolated from <i>Phyllanthus glaucus</i> [1].
IC ₅₀ & Target	Plasmodium
In Vitro	Securinega alkaloids are a class of natural products found in a small number of Phyllanthaceae species, and exhibits important biological activities, such as stimulating the Central Nervous System (CNS) and antitumor, anti-malarial and antibacterial activities ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Moraes, L., et al. Leishmanicidal Activity of (+)-Phyllanthidine and the Phytochemical Profile of *Margaritaria nobilis* (Phyllanthaceae). *Molecules*, 2015;20(12), 22157–22169.

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

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