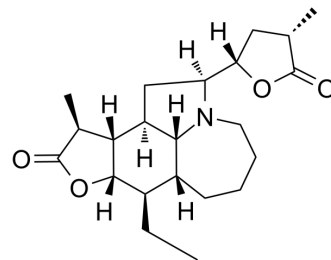


Tuberostemonine

Cat. No.:	HY-N0352
CAS No.:	6879-01-2
Molecular Formula:	C ₂₂ H ₃₃ NO ₄
Molecular Weight:	375.5
Target:	Parasite
Pathway:	Anti-infection
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (133.16 mM; ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	2.6631 mL	13.3156 mL	26.6312 mL
		5 mM	0.5326 mL	2.6631 mL	5.3262 mL
	10 mM	0.2663 mL	1.3316 mL	2.6631 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.66 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Tuberostemonine, an alkaloid, is an antimalarial agent that targets Plasmodium falciparum ferredoxin-NADP ⁺ reductases (pfFNR) ^[1] .
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REFERENCES

[1]. Pudjastuti P, et al. Inhibitory Activity and Docking Analysis of Antimalarial Agents from Stemona sp. toward Ferredoxin-NADP⁺ Reductase from Malaria Parasites. J Parasitol Res. 2018 Aug 26;2018:3469132.

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

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