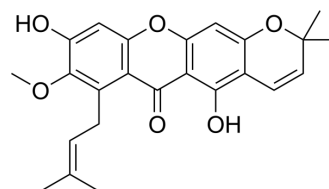


9-Hydroxycalabaxanthone

Cat. No.:	HY-N2795
CAS No.:	35349-68-9
Molecular Formula:	C ₂₄ H ₂₄ O ₆
Molecular Weight:	408.44
Target:	Parasite; Bacterial
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 (122.42 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4483 mL	12.2417 mL	24.4834 mL
	5 mM	0.4897 mL	2.4483 mL	4.8967 mL
	10 mM	0.2448 mL	1.2242 mL	2.4483 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

9-Hydroxycalabaxanthone (Xanthone I) is a known xanthone isolated from *Garcinia mangostana* Linn. 9-Hydroxycalabaxanthone has quorum-sensing inhibitory, anti-microbial, and anti-malarial activities (IC₅₀=1.2-1.5 μM)^[1].

IC₅₀ & Target

Plasmodium

In Vitro

9-Hydroxycalabaxanthone inhibits the activities of 3D7 and K1 *P. falciparum* clones with IC₅₀ values of 1.5 μM and 1.2 μM, respectively^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Gamal A Mohamed, et al. Mangostanaxanthones I and II, New Xanthones From the Pericarp of *Garcinia Mangostana*. *Fitoterapia*. 2014 Oct;98:215-21.

[2]. Wanna Chaijaroenkul, et al. The in Vitro Antimalarial Interaction of 9-hydroxycalabaxanthone and α-mangostin With mefloquine/artesunate. *Acta Parasitol*. 2014 Mar;60(1):105-11.

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

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