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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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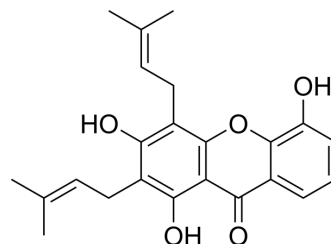
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8-Deoxygartanin

Cat. No.:	HY-N6009
CAS No.:	33390-41-9
Molecular Formula:	C ₂₃ H ₂₄ O ₅
Molecular Weight:	380.43
Target:	Parasite; NF-κB
Pathway:	Anti-infection; NF-κB
Storage:	4°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 : 100 mg/mL (262.86 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.6286 mL	13.1430 mL	26.2860 mL
	5 mM		0.5257 mL	2.6286 mL	5.2572 mL
	10 mM		0.2629 mL	1.3143 mL	2.6286 mL

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

BIOLOGICAL ACTIVITY

Description

8-Deoxygartanin, a prenylated xanthenes from *G. mangostana*, is a selective inhibitor of butyrylcholinesterase (BChE)^[1]. 8-Deoxygartanin exhibits antiplasmodial activity with an IC₅₀ of 11.8 μM for the W2 strain of *Plasmodium falciparum*^[2]. 8-Deoxygartanin inhibits NF-κB (p65) activation with an IC₅₀ of 11.3 μM^[3].

IC₅₀ & Target

Plasmodium

p65
11.3 μM (IC₅₀)

REFERENCES

[1]. Khaw KY, et al. Prenylated xanthenes from mangosteen as promising cholinesterase inhibitors and their molecular docking studies. *Phytomedicine*. 2014 Sep 25;21(11):1303-9.

[2]. Ngouamegne ET, et al. Endodesmiadiol, a friedelane triterpenoid, and other antiplasmodial compounds from *Endodesmia calophylloides*. *Chem Pharm Bull (Tokyo)*. 2008 Mar;56(3):374-7.

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

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