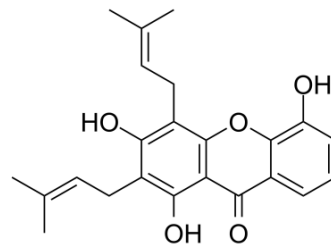


## 8-Deoxygartanin

Cat. No.:	HY-N6009
CAS No.:	33390-41-9
Molecular Formula:	C <sub>23</sub> H <sub>24</sub> O <sub>5</sub>
Molecular Weight:	380.43
Target:	Parasite; NF-κB
Pathway:	Anti-infection; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	8-Deoxygartanin, a prenylated xanthenes from <i>G. mangostana</i> , is a selective inhibitor of butyrylcholinesterase (BChE) <sup>[1]</sup> . 8-Deoxygartanin exhibits antiplasmodial activity with an IC <sub>50</sub> of 11.8 μM for the W2 strain of <i>Plasmodium falciparum</i> <sup>[2]</sup> . 8-Deoxygartanin inhibits NF-κB (p65) activation with an IC <sub>50</sub> of 11.3 μM <sup>[3]</sup> .
IC <sub>50</sub> & Target	p65 11.3 μM (IC <sub>50</sub> )

### 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.
- [3]. Han AR, et al. Cytotoxic xanthone constituents of the stem bark of *Garcinia mangostana* (mangosteen). *J Nat Prod*. 2009 Nov;72(11):2028-31.

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

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