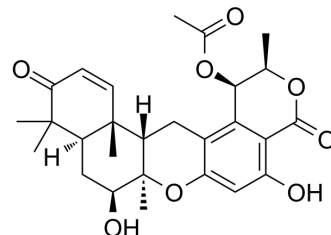


Chrodrimanin B

Cat. No.:	HY-N8472
CAS No.:	132196-54-4
Molecular Formula:	C ₂₇ H ₃₂ O ₈
Molecular Weight:	484.54
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Chrodrimanin B, a metabolite of a fungal, is a potent, non-open-channel-blocking antagonist on <i>B. mori</i> GABAR RDL with an IC ₅₀ of 1.13 nM. Chrodrimanin B attenuates the peak current amplitude of the GABA response of RDL with an IC ₅₀ of 1.66 nM. Chrodrimanin B, a meroterpenoid, shows insecticidal activity ^[1] .
In Vitro	Chrodrimanin B exhibits much weaker blocking action on human α1β2γ2 GABAR compared to RDL (IC ₅₀ =1.48 μM) ^[1] . Chrodrimanin B shows competitive actions at low concentrations and non-competitive actions at higher concentrations on <i>B. mori</i> GABAR RDL ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yan Xu, et al. Meroterpenoid Chrodrimanins Are Selective and Potent Blockers of Insect GABA-Gated Chloride Channels. *PLoS One*. 2015 Apr 22;10(4):e0122629.

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

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