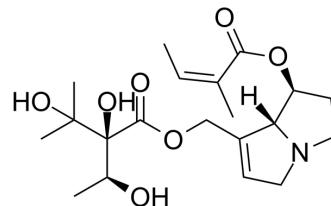


Heliosupine

Cat. No.:	HY-124140
CAS No.:	32728-78-2
Molecular Formula:	C ₂₀ H ₃₁ NO ₇
Molecular Weight:	397.46
Target:	AChE
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Heliosupine is a pyrrolizidine alkaloid. Heliosupine is an acetylcholinesterase (AChE) inhibitor, with an IC ₅₀ 0.57 mM. Heliosupine exhibits deterrent effects against generalist herbivores ^{[1][2]} .
IC ₅₀ & Target	IC ₅₀ : 0.57 mM (AChE) ^[1]
In Vivo	Heliosupine prevents feeding by the polyphagous larvae of <i>Spodoptera exigua</i> ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Benamar H, et, al. Pyrrolizidine alkaloids from *Solenanthus lanatus* DC. with acetylcholinesterase inhibitory activity. *Nat Prod Res.* 2016 Nov;30(22):2567-2574.
- [2]. Dam NM, et, al. The "Raison D'être" of pyrrolizidine alkaloids in *Cynoglossum officinale*: Deterrent effects against generalist herbivores. *J Chem Ecol.* 1995 May;21(5):507-23.

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

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