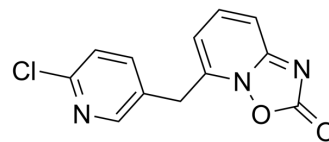


nAChR modulator-1

Cat. No.:	HY-145299
CAS No.:	1902218-84-1
Molecular Formula:	C ₁₂ H ₈ ClN ₃ O ₂
Molecular Weight:	261.66
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	nAChR modulator-1, a insecticide, is a insect nAChR orthosteric modulator ^[1] .
In Vitro	nAChR modulator-1 (compound 3) inhibits three major pests, the larvae of the banded cucumber beetle <i>Diabrotica balteata</i> , the green peach aphid <i>M. persicae</i> , and the cotton leafworm <i>Spodoptera littoralis</i> , with EC ₉₀ values of 12.5 mg/L, 3.12 mg/L, and 500 mg/L ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mark Montgomery, et al. Structural Biology-Guided Design, Synthesis, and Biological Evaluation of Novel Insect Nicotinic Acetylcholine Receptor Orthosteric Modulators. *J Med Chem.* 2022 Feb 10;65(3):2297-2312.

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

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