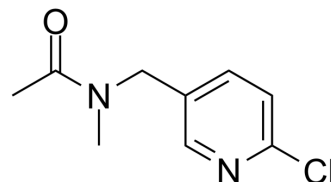


5-AMAM-2-CP

Cat. No.:	HY-136609
CAS No.:	864628-19-3
Molecular Formula:	C ₉ H ₁₁ ClN ₂ O
Molecular Weight:	198.65
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	5-AMAM-2-CP is a major metabolite of Acetamiprid. Acetamiprid is a neonicotinoid insecticide used worldwide and is a nAChR agonist ^{[1][2]} .
In Vivo	5-AMAM-2-CP (5-(N-acetyl-N-methylaminomethyl)-2-chloropyridine) is a hydrolyzed product of Acetamiprid, which can be metabolized to 5-AMAM-2-CP in both blood and urine ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Tadashi Yamamuro, et al. Simultaneous determination of neonicotinoid insecticides in human serum and urine using diatomaceous earth-assisted extraction and liquid chromatography-tandem mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2014 Oct 15;969:85-94.
- [2]. Terayama H, et al. Effect of acetamiprid on the immature murine testes. *Int J Environ Health Res.* 2018 Dec;28(6):683-696.

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

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