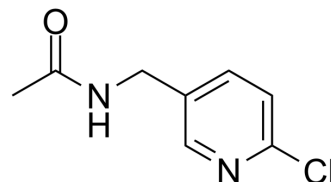


## 5-AAM-2-CP

Cat. No.:	HY-136608
CAS No.:	175424-74-5
Molecular Formula:	C <sub>8</sub> H <sub>9</sub> ClN <sub>2</sub> O
Molecular Weight:	184.62
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

Description	5-AAM-2-CP is a major metabolite of Acetamiprid. Acetamiprid is a neonicotinoid insecticide used worldwide and is a nAChR agonist <sup>[1][2]</sup> .
In Vivo	5-AAM-2-CP (5-(N-acetylaminoethyl)-2-chloropyridine) hydrolyzed product of N-desmethylacetamiprid Acetamiprid can be metabolized to 5-AAM-2-CP in both blood and urine <sup>[1]</sup> . 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
- [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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