

Product Data Sheet

Product Name: 5-AAM-2-CP

Cat. No.: GC60026

Chemical Properties

Cas. No. 175424-74-5

SMILES CC(NCC1=CC=C(Cl)N=C1)=O

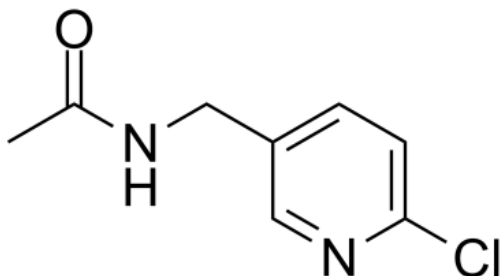
Formula C8H9ClN2O M.Wt 184.62

Solubility DMSO : 100 mg/mL (541.65 mM; Storage
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

5-AAM-2-CP is a major metabolite of Acetamiprid. Acetamiprid is a neonicotinoid insecticide used worldwide and is a nAChR agonist[1][2].

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[1].

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

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[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.

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