

ACC Analytical Standard

Cat. No. PHAS-117

Lot. No. (See product label)



Product Name

ACC Analytical Standard

Product Overview

CAS Number: 22059-21-8. Empirical Formula: C₄H₇NO₂.

Description

A potent and selective ligand for the glycine modulatory site of the N-methyl-D-aspartate (NMDA) receptor complex. Blocks 3H-glycine binding to rat forebrain membranes (IC₅₀ = 38 nM).

An agonist for the glycine modulatory site of the N-methyl-D-aspartate (NMDA) receptor complex. Mimics the effects of glycine on the NMDA receptor ion channel and blocks 3H-glycine binding to rat forebrain membrane (IC₅₀ = 38 nM). Blocks NMDA-induced release of arachidonic acid (IC₅₀ = 131 μM) in cerebellar granule cells. Reduces NMDA-induced cell death in hippocampal neurons.

Form

Crystalline solid

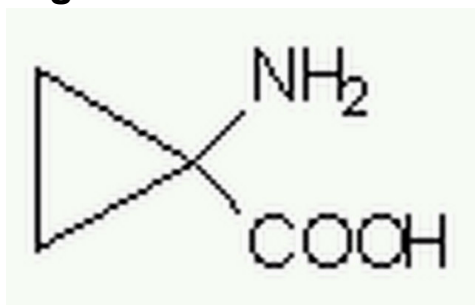
Purity

≥ 98% by TLC

Synonyms

1-Aminocyclopropane-1-carboxylic Acid; ACPC

Figure 1



Storage

Following reconstitution, aliquot and freeze (-20 centigrade). Stock solutions are stable for up to 1 month at -20 centigrade.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY