

N-Acetylcysteine amide

Catalog No: tcsc0033121



Available Sizes

Size: 1mg



Specifications

CAS No:

38520-57-9

Formula:

$C_5H_{10}N_2O_2S$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 100 mg/mL (616.48 mM)

Observed Molecular Weight:

162.21

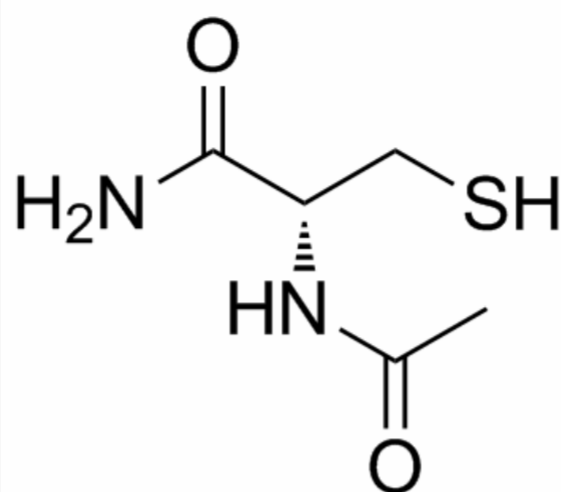
Product Description

N-Acetylcysteine amide is a cell membranes and blood brain barrier permeant thiol antioxidant and neuroprotective agent.

In Vitro: N-Acetylcysteine amide shows no obvious effect on the viability of H9c2 cells treated with doxorubicin (DOX) at [1]. N-Acetylcysteine amide (1 mM) protects the human brain microvascular endothelial (HBMVEC) from methamphetamine (METH)-induced cell death^[3].

In Vivo: N-Acetylcysteine amide has increased CNS bioavailability. N-Acetylcysteine amide (150 mg/kg, i.p.) improves cortical sparing and functional outcome, reduces oxidative stress, improves mitochondrial bioenergetics, and maintains mitochondrial

glutathione content following traumatic brain injury (TBI) in rats^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!