

Catalog	Unit
TBI5233-10MG	10 mg
TBI5233-50MG	50 mg

Product Details

Formal Name: N-Acetyl-L-cysteine ethyl ester, (R)-Ethyl 2-acetamido-3-mercaptopropanoate

Alternate Names: NACET; NAC ethyl ester

Molecular Formula: C₇H₁₃NO₃S

Formula Weight: 191.3

CAS Number: 59587-09-6

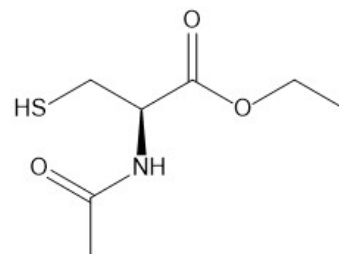
Purity: >95%

Formulation: Powder

Solubility: Soluble in DMSO (60 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Cell permeable antioxidant

Functions

A lipophilic, cell permeable ethyl ester derivative of N-acetylcysteine. In oxidative stressed retinal pigment epithelial (RPE) cells NACET increases viability more efficiently than NAC, and pretreatment predisposes RPE cells to oxidative stress resistance. Enhances intracellular glutathione concentration in HUVECs. Acts as a potent protector against hydroperoxide-induced oxidative damage. Protects against UV-induced reactive intermediates in human keratinocytes.

Application Procedures

First dissolved in DMSO (60 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 week.

For research use only.