
Catalog	Unit
TBI4610-5MG	5 mg
TBI4610-25MG	25 mg

Product Details

Formal Name: 2-Acetamido-3-(3,7,11-trimethyldodeca-2,6,10-trienylsulfanyl)propanoic acid

Alternate Names: AFC

Molecular Formula: C₂₀H₃₃NO₃S

Formula Weight: 367.60

CAS Number: 135304-07-3

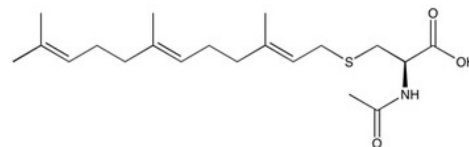
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml) or Ethanol (up to at least 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

S-Farnesylcysteine methyl transferase inhibitor

Functions

N-Acetyl-S-farnesyl-L-cysteine (AFC) inhibits S-farnesylcysteine methyl transferase ($K_m = 20 \mu\text{M}$). AFC blocked capacitative Ca^{2+} influx in human embryonic kidney 293 cells and store-regulated Ca^{2+} entry in human platelets. Topical AFC has been shown to inhibit neutrophil chemotaxis and other inflammatory responses without systemic effects.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml) or Ethanol (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.