N-Acetyl-S-farnesyl-L-cysteine

Methyltransferase inhibitor

Members of the Ras superfamily of G proteins, γ-subunits of heterotrimeric G proteins and the α-subunit of cGMP phosphodiesterase from retinal rods are all carboxyl methylated at carboxy-terminal S-farnesylcysteine residues. AFC specifically inhibits the S-farnesylcysteine methyl transferase (K_m=20 μM) in cell free extracts and in whole cells. It inhibits carboxyl methylation of p21ras platelet Rap15 and the γ-subunit of transducin. It blocks receptor-mediated signal transduction in platelets and neutrophils not by inhibiting the methyltransferase, but possibly by inhibiting capacitative Ca^{2+} entry.

Citations: 6 View Online »

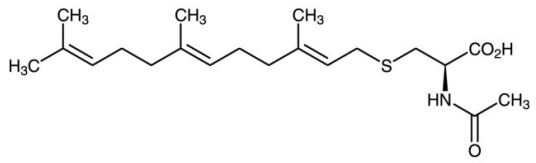
Ordering Information

Order Online »

BML-G200-0005	5mg
BML-G200-0025	25mg

Manuals, SDS & CofA

View Online »


CH3
CH3
CH3
H3C
S
CO2H
HN
CH3
O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Keep under inert gas. Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	AFC
Appearance	Pale yellow oil.
CAS	135304-07-3
Couple Target	Methyltransferase
Couple Type	Inhibitor
Formula	$C_{20}H_{33}NO_3S$
MW	367.5
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (25mg/ml), methanol or 100% ethanol (25mg/ml).
Source	Synthetic.

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.