

Arazine

Chemical Properties

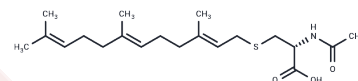
CAS No. : 135304-07-3

Formula: C₂₀H₃₃NO₃S

Molecular Weight: 367.55

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Arazine (N-Acetyl-S-farnesyl-L-cysteine) is a cell-permeable modulator of G protein and GPCR signaling, and it can act as a substrate for isoprenylcysteine methyltransferase by competing with prenylated G protein or its receptor sites.
Targets(IC50)	Others,DNA Methyltransferase
In vitro	Arazine (10–100 μM; 8h) significantly affects the HMEC-1 cell viability as measured by trypan blue exclusion in HMEC-1 cell. Arazine (2h) inhibits ATPγS induced CXCL1, CXCL8 and CCL2 production as a dose-dependent manner in HMEC-1 cell[2].
In vivo	Arazine (2,000 μg/20 μl) produces a dose-dependent inhibition of the TPA-induced edema, with the maximal reduction of edema approaching 73%, with an ED50 of 55 μg/20 μl[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7207 mL	13.6036 mL	27.2072 mL
5 mM	0.5441 mL	2.7207 mL	5.4414 mL
10 mM	0.2721 mL	1.3604 mL	2.7207 mL
50 mM	0.0544 mL	0.2721 mL	0.5441 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Adhami K, et al. N-acetyl-S-farnesyl-L-cysteine suppresses chemokine production by human dermal microvascular endothelial cells. *Exp Dermatol*. 2012 Sep;21(9):700-5.

Gordon JS, et al. Topical N-acetyl-S-farnesyl-L-cysteine inhibits mouse skin inflammation, and unlike dexamethasone, its effects are restricted to the application site. *J Invest Dermatol*. 2008 Mar;128(3):643-54. Epub 2007 Sep 20.

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