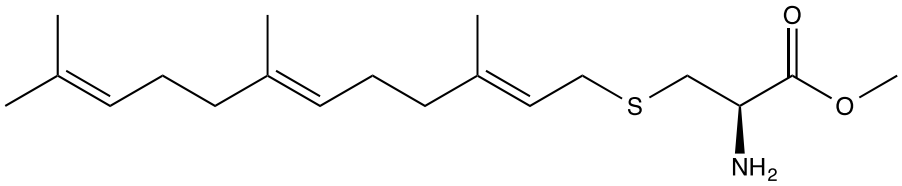
Catalog #10-4608

S-Farnesyl-L-cysteine methyl ester

CAS# 125741-64-2

(2R)-2-Amino-3-[(2E,6E)-3,7,11-trimethyldodeca-2,6,10-trienyl]sulfanylpropanoic acid methyl ester

Lot # FBA4120



S-Farnesyl-L-cysteine methyl ester stimulates multidrug resistance transporter ATPase activity (4-5 fold @ 10-20 µM) and competes for drug binding.[1] It modifies the carboxyl terminus of the *Saccharomyces cerevisiae* RAS2 protein.[2]

1) Zhang *et al.* (1994), *Interaction of prenylcysteine methyl esters with multidrug resistance transporter;* J.Biol.Chem. **269** 15973

2) Stimmel *et al*. (1990), *Evidence for an S-farnesylcysteine methyl ester at the carboxyl terminus of the Saccharomyces cerevisiae RSA2 protein;* Biochemistry **29** 9651

PHYSICAL DATA

Molecular Weight:	339.54
Molecular Formula:	$C_{19}H_{33}NO_2S$
Purity:	>98% (TLC:5% Methanol/methylene chloride) NMR: (Conforms)
Solubility:	DMSO (25 mg/mL) and ethanol (25 mg/mL)
Physical Description:	Pale yellow oil
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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