

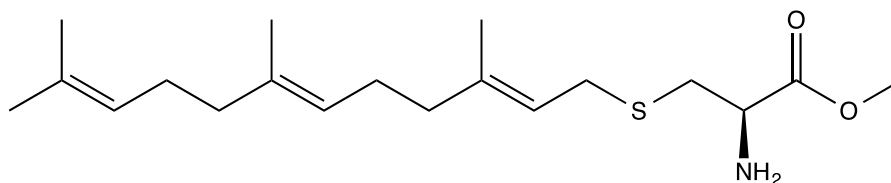
**Catalog #10-4608**

**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 # FBA4130



S-Farnesyl-L-cysteine methyl ester stimulates multidrug resistance transporter ATPase activity (4-5 fold @ 10-20  $\mu$ M) and competes for drug binding.<sup>1</sup> It modifies the carboxyl terminus of the *Saccharomyces cerevisiae* RAS2 protein.<sup>2</sup>

- 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 <sub>19</sub> H <sub>33</sub> NO <sub>2</sub> S
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.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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

[www.focusbiomolecules.com](http://www.focusbiomolecules.com)