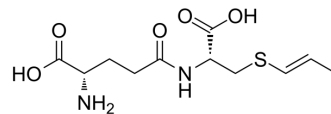


## $\gamma$ -Glutamyl-S-1-propenyl cysteine

<b>Cat. No.:</b>	HY-111826
<b>CAS No.:</b>	91216-96-5
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub> S
<b>Molecular Weight:</b>	290.34
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 130 mg/mL (447.75 mM; Need ultrasonic)					
	DMSO : 4.23 mg/mL (14.57 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		3.4442 mL	17.2212 mL	34.4424 mL
<b>5 mM</b>			0.6888 mL	3.4442 mL	6.8885 mL	
<b>10 mM</b>		0.3444 mL	1.7221 mL	3.4442 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (344.42 mM); Clear solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

<b>Description</b>	$\gamma$ -Glutamyl-S-1-propenyl cysteine is a compound isolated from garlic <sup>[1]</sup> .
--------------------	--

### REFERENCES

[1]. Nakamoto M, et al. Isolation and Identification of Three  $\gamma$ -Glutamyl Tripeptides and Their Putative Production Mechanism in Aged Garlic Extract. J Agric Food Chem. 2018 Mar 21;66(11):2891-2899.

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA