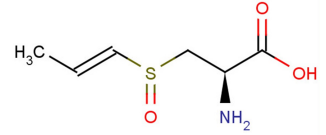


## Data Sheet (Cat.No.T10025)

1-PeCSO

### Chemical Properties

CAS No.:	3836-24-6
Formula:	C <sub>6</sub> H <sub>11</sub> NO <sub>3</sub> S
Molecular Weight:	177.22
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	1-PeCSO is isolated from onion or garlic bulbs. It acts as a key compound in garlic greening and reacts with lachrymatory factor synthase.
Targets(IC <sub>50</sub> )	Others: None

### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.643 mL	28.214 mL	56.427 mL
5 mM	1.129 mL	5.643 mL	11.285 mL
10 mM	0.564 mL	2.821 mL	5.643 mL
50 mM	0.113 mL	0.564 mL	1.129 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Cho J, et al. Role of precursors on greening in crushed garlic (*Allium sativum*) bulbs, and its control with freeze-dried onion powder. *J Sci Food Agric.* 2012 Jan 30;92(2):246-52.

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