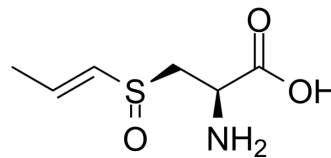


## (R)-1-PeCSO

Cat. No.:	HY-111825A
CAS No.:	16718-23-3
Molecular Formula:	C <sub>6</sub> H <sub>11</sub> NO <sub>3</sub> S
Molecular Weight:	177.22
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 5 mg/mL (28.21 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.6427 mL	28.2135 mL	56.4270 mL
	5 mM	1.1285 mL	5.6427 mL	11.2854 mL
	10 mM	0.5643 mL	2.8214 mL	5.6427 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

(R)-1-PeCSO (trans-(+)-S-1-Propenyl-L-cysteine sulfoxide) is the most abundant flavor precursor in onions<sup>[1]</sup>.

### REFERENCES

[1]. Kamata Y, et al. Changes in trans-S-1-Propenyl-L-cysteine Sulfoxide and Related Sulfur-Containing Amino Acids during Onion Storage. J Agric Food Chem. 2016 Nov 30;64(47):9063-9071.

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

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