

Product Data Sheet

Product Name: (R)-1-PeCSO

Cat. No.: GC70331

Chemical Properties

Cas. No. 16718-23-3

Formula $C_6H_{11}NO_3S$

M.Wt 177.22

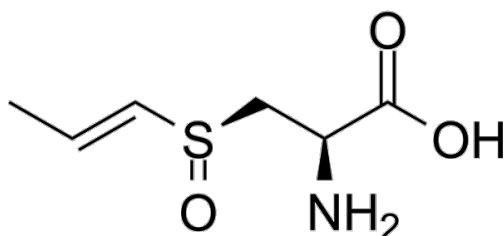
Solubility H_2O : 5 mg/mL (28.21 mM;
ultrasonic and warming and heat to
60°C)

Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

(R)-1-PeCSO (trans-(+)-S-1-Propenyl-L-cysteine sulfoxide) is the most abundant flavor precursor in onions.

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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