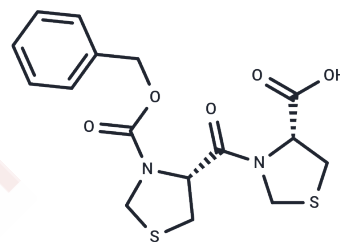


## Z-Thiopropyl-Thioprolinone

## Chemical Properties

CAS No. :	118059-40-8
Formula:	C <sub>16</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub> S <sub>2</sub>
Molecular Weight:	382.45
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Z-Thiopropyl-Thioprolinone is a prolyl endopeptidase inhibitor derived from bovine brain, exhibiting inhibition constants of IC <sub>50</sub> = 16 μM and K <sub>i</sub> = 37 μM. This compound is utilized in the investigation of neurological disorders, including memory and cognitive disorders [1].
Targets(IC <sub>50</sub> )	Others,Prolyl Endopeptidase (PREP)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6147 mL	13.0736 mL	26.1472 mL
5 mM	0.5229 mL	2.6147 mL	5.2294 mL
10 mM	0.2615 mL	1.3074 mL	2.6147 mL
50 mM	0.0523 mL	0.2615 mL	0.5229 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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