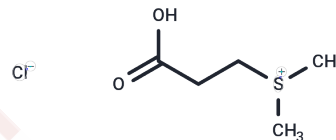


## Dimethylpropiothetin hydrochloride

## Chemical Properties

CAS No. :	4337-33-1
Formula:	C <sub>5</sub> H <sub>11</sub> ClO <sub>2</sub> S
Molecular Weight:	170.66
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	Dimethylpropiothetin hydrochloride (s,s-Dimethyl-β-propionic acid thetine) represents the hydrochloride variant of dimethylpropiothetin. This compound is extractable from marine algae and serves as a precursor to dimethylsulfide (DMS). Additionally, it plays a role in the osmoregulation processes within <i>Hymenomonas carterae</i> .
Targets(IC50)	Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8596 mL	29.298 mL	58.596 mL
5 mM	1.1719 mL	5.8596 mL	11.7192 mL
10 mM	0.586 mL	2.9298 mL	5.8596 mL
50 mM	0.1172 mL	0.586 mL	1.1719 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.

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