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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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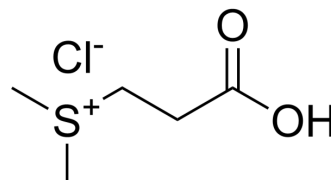
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Dimethylpropiothetin hydrochloride

Cat. No.:	HY-W105506
CAS No.:	4337-33-1
Molecular Formula:	C ₅ H ₁₁ ClO ₂ S
Molecular Weight:	170.66
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (292.98 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.8596 mL	29.2980 mL	58.5960 mL
	5 mM	1.1719 mL	5.8596 mL	11.7192 mL
	10 mM	0.5860 mL	2.9298 mL	5.8596 mL

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

BIOLOGICAL ACTIVITY

Description

Dimethylpropiothetin hydrochloride (s,s-Dimethyl-β-propionic acid thietine) is the hydrochloride form of dimethylpropiothetin. Dimethylpropiothetin can be isolated in marine algae, and is a precursor to dimethylsulfide (DMS). Dimethylpropiothetin is involved in osmoregulation in *Hymenomonas carterae*^[1].

REFERENCES

[1]. Vairavamurthy A, et al., Biosynthesis of dimethylsulfide and dimethylpropiothetin by *Hymenomonas carterae* in relation to sulfur source and salinity variations[J]. *Limnology and Oceanography*, 1985, 30(1): 59-70.

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

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