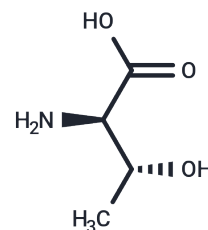


D-Allothreonine

Chemical Properties

CAS No. :	24830-94-2
Formula:	C ₄ H ₉ NO ₃
Molecular Weight:	119.12
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	D-Allothreonine (D-allo-Thr) is a peptide lipid found in bacteria, used as an enzyme substrate.
Targets(IC50)	Endogenous Metabolite
In vivo	2% D-Allothreonine feeding has no growth promoting effect on chicks.[3]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.3949 mL	41.9745 mL	83.949 mL
5 mM	1.679 mL	8.3949 mL	16.7898 mL
10 mM	0.8395 mL	4.1974 mL	8.3949 mL
50 mM	0.1679 mL	0.8395 mL	1.679 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.

Reference

IKAWA M, et al. Occurrence of D-phenylalanine, D-allothreonine and other D-amino-acids in peptido-lipids of bacterial origin. Nature. 1960 Nov 12;188:558-60.

Petersson C, et al. Structural studies of the O-specific polysaccharide of Hafnia alvei strain PCM 1206 lipopolysaccharide containing D-allothreonine. Eur J Biochem. 1997 Mar 1;244(2):580-6.

Baker DH, et al. D-allothreonine has no growth promoting efficacy for chicks. Poult Sci. 1998 Sep;77(9):1397-9.

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