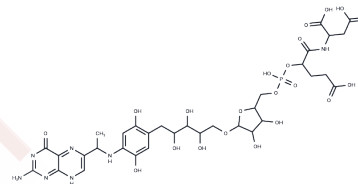


Thermopterin

Chemical Properties

CAS No. :	135745-46-9
Formula:	C33H44N7O21P
Molecular Weight:	905.717
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	Thermopterin is isolated from Methanoculleus thermophilic.
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1041 mL	5.5205 mL	11.0409 mL
5 mM	0.2208 mL	1.1041 mL	2.2082 mL
10 mM	0.1104 mL	0.552 mL	1.1041 mL
50 mM	0.0221 mL	0.1104 mL	0.2208 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

- White RH. Purine biosynthesis in the domain Archaea without folates or modified folates. J Bacteriol. 1997 May;179 (10):3374-7. PubMed PMID: 9150241; PubMed Central PMCID: PMC179124.
- Gorris LG, van der Drift C. Cofactor contents of methanogenic bacteria reviewed. Biofactors. 1994 May;4(3-4):139-45. PubMed PMID: 7916957.
- Raemakers-Franken PC, Bongaerts R, Fokkens R, van der Drift C, Vogels GD. Characterization of two pterin derivatives isolated from Methanoculleus thermophilicum. Eur J Biochem. 1991 Sep 15;200(3):783-7. PubMed PMID: 1915350.

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