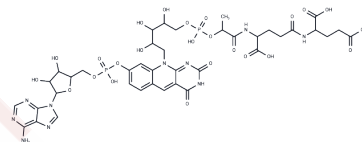


Factor 390 A

Chemical Properties

CAS No. :	95617-07-5
Formula:	C39H48N10O24P2
Molecular Weight:	1102.807
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	Factor 390 A is a phosphodiester between AMP & methanogen factor 420.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9068 mL	4.5339 mL	9.0677 mL
5 mM	0.1814 mL	0.9068 mL	1.8135 mL
10 mM	0.0907 mL	0.4534 mL	0.9068 mL
50 mM	0.0181 mL	0.0907 mL	0.1814 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

- Pennings JL, Keltjens JT, Vogels GD. Isolation and characterization of Methanobacterium thermoautotrophicum DeltaH mutants unable to grow under hydrogen-deprived conditions. J Bacteriol. 1998 May;180(10):2676-81. PubMed PMID: 9573152; PubMed Central PMCID: PMC107219.
- Vermeij P, Pennings JL, Maassen SM, Keltjens JT, Vogels GD. Cellular levels of factor 390 and methanogenic enzymes during growth of Methanobacterium thermoautotrophicum deltaH. J Bacteriol. 1997 Nov;179(21):6640-8. PubMed PMID: 9352911; PubMed Central PMCID: PMC179590.
- van de Wijngaard WM, vermey P, van der Drift C. Formation of factor 390 by cell extracts of Methanosarcina barkeri. J Bacteriol. 1991 Apr;173(8):2710-1. PubMed PMID: 2013583; PubMed Central PMCID: PMC207842.
- Kengen SW, von den Hoff HW, Keltjens JT, van der Drift C, Vogels GD. Hydrolysis and reduction of factor 390 by cell extracts of Methanobacterium thermoautotrophicum (strain delta H). J Bacteriol. 1991 Apr;173(7):2283-8. PubMed PMID: 2007552; PubMed Central PMCID: PMC207780.

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