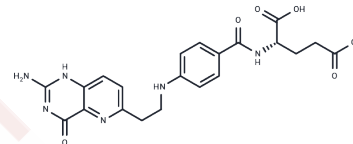


8-Deazahomofolic acid

Chemical Properties

CAS No. :	111113-73-6
Formula:	C ₂₁ H ₂₂ N ₆ O ₆
Molecular Weight:	454.44
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	8-Deazahomofolic acid is a potential thymidylate synthase (TS) inhibitor and other folate related enzymes inhibitor.
Targets(IC50)	Others,Antibacterial,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2005 mL	11.0026 mL	22.0051 mL
5 mM	0.4401 mL	2.2005 mL	4.401 mL
10 mM	0.2201 mL	1.1003 mL	2.2005 mL
50 mM	0.044 mL	0.2201 mL	0.4401 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

DeGraw JI, Colwell WT, Brown VH, Sato M, Kisliuk RL, Gaumont Y, Thorndike J, Sirotnak FM. Synthesis and biological evaluation of 8-deazahomofolic acid and its tetrahydro derivative. J Med Chem. 1988 Jan;31(1):150-3. PubMed PMID: 3121855.

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