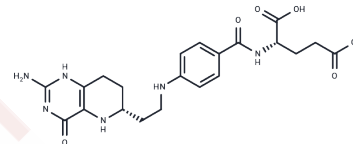


## 5,6,7,8-Tetrahydro-8-deazahomofolic acid

## Chemical Properties

CAS No. :	111113-75-8
Formula:	C <sub>21</sub> H <sub>26</sub> N <sub>6</sub> O <sub>6</sub>
Molecular Weight:	458.47
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	5,6,7,8-Tetrahydro-8-deazahomofolic acid is a potential thymidylate synthase (TS) inhibitor and other folate related enzymes inhibitor.
Targets(IC50)	Others,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1812 mL	10.9058 mL	21.8117 mL
5 mM	0.4362 mL	2.1812 mL	4.3623 mL
10 mM	0.2181 mL	1.0906 mL	2.1812 mL
50 mM	0.0436 mL	0.2181 mL	0.4362 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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