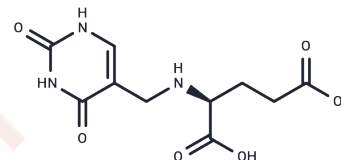


alpha-Glutamylthymine

Chemical Properties

CAS No. :	76567-27-6
Formula:	C10H13N3O6
Molecular Weight:	271.23
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	alpha-Glutamylthymine is a hypermodified base for DNA.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6869 mL	18.4345 mL	36.8691 mL
5 mM	0.7374 mL	3.6869 mL	7.3738 mL
10 mM	0.3687 mL	1.8435 mL	3.6869 mL
50 mM	0.0737 mL	0.3687 mL	0.7374 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

- Iyer LM, Zhang D, Burroughs AM, Aravind L. Computational identification of novel biochemical systems involved in oxidation, glycosylation and other complex modifications of bases in DNA. *Nucleic Acids Res.* 2013 Sep;41(16): 7635-55. doi: 10.1093/nar/gkt573. Epub 2013 Jun 28. PubMed PMID: 23814188; PubMed Central PMCID: PMC3763556.
- Warren RA. Modified bases in bacteriophage DNAs. *Annu Rev Microbiol.* 1980;34:137-58. Review. PubMed PMID: 7002022.

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