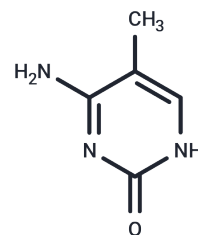


5-Methylcytosine

Chemical Properties

CAS No. :	554-01-8
Formula:	C ₅ H ₇ N ₃ O
Molecular Weight:	125.13
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-Methylcytosine is a methylated nucleotide base found in eukaryotic DNA. It is an epigenetic modification formed by the action of DNA methyltransferases.
Targets(IC50)	Endogenous Metabolite,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 1.55 mg/mL (12.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.9917 mL	39.9584 mL	79.9169 mL
5 mM	1.5983 mL	7.9917 mL	15.9834 mL
10 mM	0.7992 mL	3.9958 mL	7.9917 mL
50 mM	0.1598 mL	0.7992 mL	1.5983 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

Pfeifer GP, et al. Mutations induced by ultraviolet light. Mutat Res. 2005 Apr 1;571(1-2):19-31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481