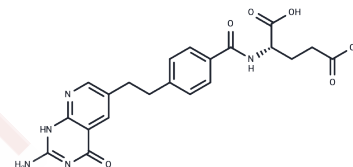


5,10-Dideazafolic acid

Chemical Properties

CAS No. :	85597-18-8
Formula:	C ₂₁ H ₂₁ N ₅ O ₆
Molecular Weight:	439.42
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	5,10-Dideazafolic acid is an antileukemic drug.
Targets(IC50)	Others,Antifolate

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2757 mL	11.3786 mL	22.7573 mL
5 mM	0.4551 mL	2.2757 mL	4.5515 mL
10 mM	0.2276 mL	1.1379 mL	2.2757 mL
50 mM	0.0455 mL	0.2276 mL	0.4551 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

Piper JR, McCaleb GS, Montgomery JA, Kisliuk RL, Gaumont Y, Thorndike J, Sirotnak FM. Synthesis and antifolate activity of 5-methyl-5,10-dideaza analogues of aminopterin and folic acid and an alternative synthesis of 5,10-dideazatetrahydrofolic acid, a potent inhibitor of glycinamide ribonucleotide formyltransferase. J Med Chem. 1988 Nov;31(11):2164-9. PubMed PMID: 3184124.

Taylor EC, Harrington PJ, Fletcher SR, Beardsley GP, Moran RG. Synthesis of the antileukemic agents 5,10-dideazaaminopterin and 5,10-dideaza-5,6,7,8-tetrahydroaminopterin. J Med Chem. 1985 Jul;28(7):914-21. PubMed PMID: 4009615.

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