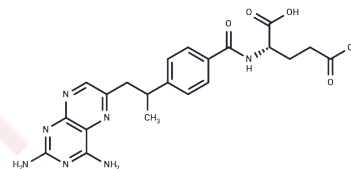


10-Methyl-10-deazaaminopterin

Chemical Properties

CAS No. :	80576-77-8
Formula:	C ₂₁ H ₂₃ N ₇ O ₅
Molecular Weight:	453.45
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	10-Methyl-10-deazaaminopterin, a folate analog, exhibits antitumor activity.
Targets(IC50)	Others,Antifolate

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2053 mL	11.0266 mL	22.0531 mL
5 mM	0.4411 mL	2.2053 mL	4.4106 mL
10 mM	0.2205 mL	1.1027 mL	2.2053 mL
50 mM	0.0441 mL	0.2205 mL	0.4411 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, Christie PH, Tagawa H, Kisliuk RL, Gaumont Y, Schmid FA, Sirotnak FM. Synthesis and biological activity of resolved C-10 diastereomers of 10-methyl- and 10-ethyl-10-deazaaminopterin. *J Med Chem.* 1986 Jun;29(6):1056-61. PubMed PMID: 3712374.
- Sirotnak FM, DeGraw JI, Schmid FA, Goutas LJ, Moccio DM. New folate analogs of the 10-deaza-aminopterin series. Further evidence for markedly increased antitumor efficacy compared with methotrexate in ascitic and solid murine tumor models. *Cancer Chemother Pharmacol.* 1984;12(1):26-30. PubMed PMID: 6690070.
- Sirotnak FM, DeGraw JI, Moccio DM, Samuels LL, Goutas LJ. New folate analogs of the 10-deaza-aminopterin series. Basis for structural design and biochemical and pharmacologic properties. *Cancer Chemother Pharmacol.* 1984;12(1):18-25. PubMed PMID: 6690069.

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