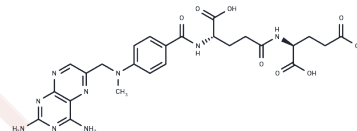


Methotrexate Diglutamate

Chemical Properties

CAS No. :	41600-13-9
Formula:	C ₂₅ H ₂₉ N ₉ O ₈
Molecular Weight:	583.55
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	Methotrexate Diglutamate Small molecule compound present in the liver that acts as a partially purified human dihydrofolate reductase inhibitor.
Targets(IC50)	Others,Antifolate,DHFR

Solubility Information

Solubility	DMSO: 100 mg/mL (171.36 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7136 mL	8.5682 mL	17.1365 mL
5 mM	0.3427 mL	1.7136 mL	3.4273 mL
10 mM	0.1714 mL	0.8568 mL	1.7136 mL
50 mM	0.0343 mL	0.1714 mL	0.3427 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

Chio LC, et al. Identification of highly potent and selective inhibitors of Toxoplasma gondii dihydrofolate reductase. Antimicrob Agents Chemother. 1993 Sep;37(9):1914-23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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