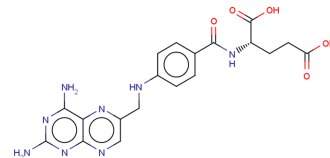


Aminopterin sodium

Chemical Properties

CAS No. :	58602-66-7
Formula:	C ₁₉ H ₂₀ N ₈ NaO ₅
Molecular Weight:	463.41
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	Aminopterin sodium is an antineoplastic agent with immunosuppressive properties. Aminopterin works as an enzyme inhibitor by competing for the folate binding site of the enzyme dihydrofolate reductase. Its binding affinity for dihydrofolate reductase effectively blocks tetrahydrofolate synthesis.
Targets(IC50)	Others,Antifolate

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1579 mL	10.7896 mL	21.5792 mL
5 mM	0.4316 mL	2.1579 mL	4.3158 mL
10 mM	0.2158 mL	1.079 mL	2.1579 mL
50 mM	0.0432 mL	0.2158 mL	0.4316 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

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