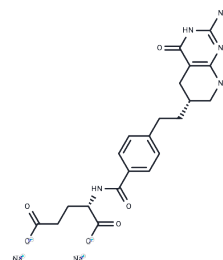


Lometrexol disodium

Chemical Properties

CAS No. :	120408-07-3
Formula:	C ₂₁ H ₂₃ N ₅ Na ₂ O ₆
Molecular Weight:	487.424
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	Lometrexol (DDATHF) disodium is a potent inhibitor of human serine hydroxymethyltransferase 1/2 (hSHMT1/2) and antifolate, which reduces the activity of glycinamide ribonucleotide formyltransferase (GARFT) without causing detectable levels of DNA strand breaks. Lometrexol disodium exhibits anticancer effects by inhibiting the de novo synthesis of purines, causing abnormal cell proliferation, apoptosis and cell cycle arrest.
Targets(IC50)	Apoptosis,Bcl-2 Family,Others,Caspase,Antifolate

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0516 mL	10.2581 mL	20.5162 mL
5 mM	0.4103 mL	2.0516 mL	4.1032 mL
10 mM	0.2052 mL	1.0258 mL	2.0516 mL
50 mM	0.041 mL	0.2052 mL	0.4103 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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