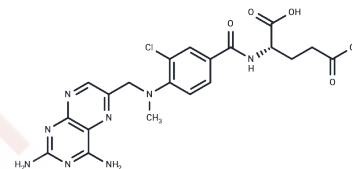


3'-Chloromethotrexate

Chemical Properties

CAS No. :	5472-96-8
Formula:	C ₂₀ H ₂₁ ClN ₈ O ₅
Molecular Weight:	488.88
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	3'-Chloromethotrexate is a chemotherapy agent and immune system suppressant. It can be used to treat cancer, autoimmune diseases, ectopic pregnancy, and medical abortions.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0455 mL	10.2275 mL	20.4549 mL
5 mM	0.4091 mL	2.0455 mL	4.091 mL
10 mM	0.2045 mL	1.0227 mL	2.0455 mL
50 mM	0.0409 mL	0.2045 mL	0.4091 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

- Rosowsky A, Wright JE, Holden SA, Waxman DJ. Influence of lipophilicity and carboxyl group content on the rate of hydroxylation of methotrexate derivatives by aldehyde oxidase. *Biochem Pharmacol.* 1990 Aug 15;40(4):851-7. PubMed PMID: 1696821.
- Klinov SV, Kurganov BI, Sheĭman BM, Gorelik ESh, Birinberg EM. [Inhibition of muscle glycogen phosphorylase b by 5-methyltetrahydrofolic acid, 3'-chloro- and 3',6'-dichloromethotrexates]. *Bioorg Khim.* 1988 Sep;14(9):1162-5. Russian. PubMed PMID: 3146255.

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