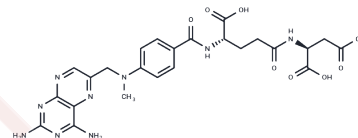


Methotrexate-gamma-aspartate

Chemical Properties

CAS No. :	64801-58-7
Formula:	C ₂₄ H ₂₇ N ₉ O ₈
Molecular Weight:	569.53
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-gamma-aspartate has growth inhibitory effects. It is used in antibody-targeted liposomes.
Targets(IC50)	Others,DHFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7558 mL	8.7792 mL	17.5583 mL
5 mM	0.3512 mL	1.7558 mL	3.5117 mL
10 mM	0.1756 mL	0.8779 mL	1.7558 mL
50 mM	0.0351 mL	0.1756 mL	0.3512 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

- Amin K, Ng KY, Brown CS, Bruno MS, Heath TD. LDL induced association of anionic liposomes with cells and delivery of contents as shown by the increase in potency of liposome dependent drugs. *Pharm Res.* 2001 Jul;18(7):914-21. PubMed PMID: 11496949.
- Comiskey SJ, Heath TD. Leakage and delivery of liposome-encapsulated methotrexate-gamma-aspartate in a chemically defined medium. *Biochim Biophys Acta.* 1990 May 24;1024(2):307-17. PubMed PMID: 2354182.
- Comiskey SJ, Heath TD. Serum-induced leakage of negatively charged liposomes at nanomolar lipid concentrations. *Biochemistry.* 1990 Apr 17;29(15):3626-31. PubMed PMID: 2340262.
- Hege KM, Daleke DL, Waldmann TA, Matthay KK. Comparison of anti-Tac and anti-transferrin receptor-conjugated liposomes for specific drug delivery to adult T-cell leukemia. *Blood.* 1989 Nov 1;74(6):2043-52. PubMed PMID: 2679914.

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