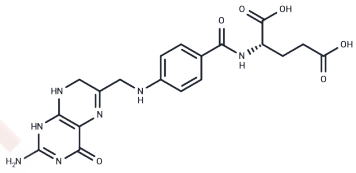
Data Sheet (Cat.No.T15128)

TargetMol

Dihydrofolic acid

Chemical Properties



CAS No. : 4033-27-6

Formula: C19H21N7O6

Molecular Weight: 443.41

Storage: Store at low temperature,Keep away from moisture
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	Dihydrofolic acid (7,8-Dihydrofolic acid) is a folic acid derivative that produces tetrahydrofolic acid in the presence of dihydrofolic acid reductase.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2552 mL	11.2762 mL	22.5525 mL
5 mM	0.451 mL	2.2552 mL	4.5105 mL
10 mM	0.2255 mL	1.1276 mL	2.2552 mL
50 mM	0.0451 mL	0.2255 mL	0.451 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

Goldstein M,et al. Distal Regions Regulate Dihydrofolate Reductase-Ligand Interactions. Methods Mol Biol. 2021; 2253:185-219.

GUEST JR, WOODS DD. Analogues of folic acid and the activity of dihydrofolic acids in the synthesis of methionine by Escherichia coli. Biochem J. 1962 Jan;82(1):26-35.

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