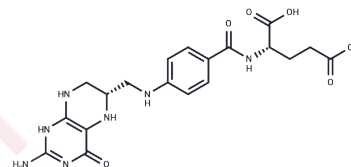


## (6S)-Tetrahydrofolic acid

## Chemical Properties

CAS No. :	71963-69-4
Formula:	C <sub>19</sub> H <sub>23</sub> N <sub>7</sub> O <sub>6</sub>
Molecular Weight:	445.43
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	(6S)-Tetrahydrofolic acid has 1000 times greater activity in promoting the binding of fluorodeoxyuridine monophosphate with thymidylate synthase compared to the (6R) form and exhibits 600 times higher activity as a growth factor for brewer's yeast ( <i>P. cerevisiae</i> ). It also has low affinity and high dissociation rates from folate-binding proteins.
Targets(IC50)	Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.245 mL	11.2251 mL	22.4502 mL
5 mM	0.449 mL	2.245 mL	4.490 mL
10 mM	0.2245 mL	1.1225 mL	2.245 mL
50 mM	0.0449 mL	0.2245 mL	0.449 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.

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