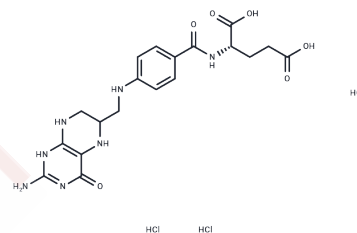


Tetrahydrofolic acid trihydrochloride

Chemical Properties

CAS No. :	150731-85-4
Formula:	C ₁₉ H ₂₆ Cl ₃ N ₇ O ₆
Molecular Weight:	554.81
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Tetrahydrofolic acid trihydrochloride (L-5,6,7,8-Tetrahydrofolic acid trihydrochloride) is a biologically active vitamin B9 derivative, a receptor for free formaldehyde, and an effective suicide substrate for mushroom tyrosinase, inhibiting indole ethylamine methylation by methyl-tetrahydrofolate.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO:PBS (pH 7.2) (1:1): < 1 mg/mL (insoluble or slightly soluble) DMF: 8 mg/mL (14.42 mM), Sonication is recommended. DMSO: 8 mg/mL (14.42 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8024 mL	9.0121 mL	18.0242 mL
5 mM	0.3605 mL	1.8024 mL	3.6048 mL
10 mM	0.1802 mL	0.9012 mL	1.8024 mL
50 mM	0.036 mL	0.1802 mL	0.3605 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

García-Calderón CB, et al. Genotoxicity of tetrahydrofolic acid to hematopoietic stem and progenitor cells. Cell Death Differ. 2018 Nov;25(11):1967-1979.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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