

10 FTHF disodium

Chemical Properties

CAS No. : 914800-65-0

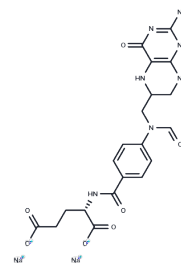
Formula: C₂₀H₂₁N₇Na₂O₇

Molecular Weight: 517.4

Store at low temperature, Keep away from direct sunlight

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	10 FTHF disodium (10-Formyltetrahydrofolic acid disodium) is a form of tetrahydrofolate, a formyl donor in anabolism, involved in the synthesis of purine compounds.
Targets(IC50)	Endogenous Metabolite
In vivo	In male Sprague-Dawley rats, a significant increase in the level of 10 FTHF disodium in the liver was observed after 30 and 60 minutes of administration of 1.3 mmol/kg methionine. [1]

Solubility Information

Solubility	DMSO: 1 mg/mL (1.93 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	1.9327 mL	9.6637 mL	19.3274 mL
5 mM	0.3865 mL	1.9327 mL	3.8655 mL
10 mM	0.1933 mL	0.9664 mL	1.9327 mL
50 mM	0.0387 mL	0.1933 mL	0.3865 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

Horne DW. Neither methionine nor nitrous oxide inactivation of methionine synthase affect the concentration of 5,10-methylenetetrahydrofolate in rat liver. J Nutr. 2003 Feb;133(2):476-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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