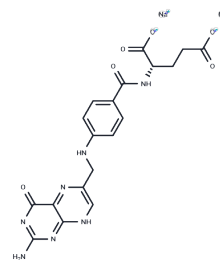


Folic acid disodium

Chemical Properties

CAS No. :	29704-76-5
Formula:	C ₁₉ H ₁₇ N ₇ Na ₂ O ₆
Molecular Weight:	485.36
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	Folic acid disodium is a water-soluble and essential B-complex vitamin for the human body, playing a key role in DNA synthesis and cell division. It is used to treat anaemia and foetal neural tube defects (NTDs) caused by folate deficiency.
Targets(IC50)	Others,Endogenous Metabolite,DNA/RNA Synthesis

Solubility Information

Solubility	H ₂ O: 80 mg/mL (164.83 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	2.0603 mL	10.3016 mL	20.6033 mL
5 mM	0.4121 mL	2.0603 mL	4.1207 mL
10 mM	0.206 mL	1.0302 mL	2.0603 mL
50 mM	0.0412 mL	0.206 mL	0.4121 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

Braga D., et al., Folic Acid in the Solid State: A Synergistic Computational, Spectroscopic, and Structural Approach, Crystal Growth & Design, 2016, 16, 4, 2218-222.

Shulpekova Y, et al., The Concept of Folic Acid in Health and Disease. Molecules. 2021 Jun 18;26(12):3731.

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