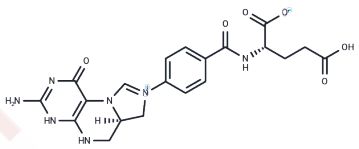
Data Sheet (Cat.No.T205953)

TargetMol

Anhydroleucovorin

Chemical Properties



CAS No. : 7444-29-3

Formula: C20H21N7O6

Molecular Weight: 455.42

Storage: Store at low temperature
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	Anhydroleucovorin is the predominant, biologically active form of vitamin B9 (folate) that is utilized by the body for a multitude of vital cellular functions, including DNA synthesis, repair, and methylation, as well as the production of key neurotransmitters; Anhydroleucovorin plays an essential metabolic role in the remethylation pathway, converting the amino acid homocysteine to methionine, and serves as the main folate form found in systemic circulation and transported into tissues for physiological use.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 0.8 mg/mL (1.76 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1958 mL	10.9789 mL	21.9578 mL
5 mM	0.4392 mL	2.1958 mL	4.3916 mL
10 mM	0.2196 mL	1.0979 mL	2.1958 mL
50 mM	0.0439 mL	0.2196 mL	0.4392 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

M J OSBORN, et al. Participation of anhydroleucovorin in the hydroxymethyl tetrahydrofolic dehydrogenase system. Biochim Biophys Acta,1957,26, 3.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481