

Levoleucovorin

Chemical Properties

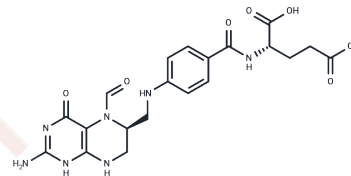
CAS No. : 68538-85-2

Formula: C₂₀H₂₃N₇O₇

Molecular Weight: 473.44

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	Levoleucovorin, as a folate analog, consists of the pharmacologically active isomer of leucovorin.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1122 mL	10.561 mL	21.122 mL
5 mM	0.4224 mL	2.1122 mL	4.2244 mL
10 mM	0.2112 mL	1.0561 mL	2.1122 mL
50 mM	0.0422 mL	0.2112 mL	0.4224 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

Mofidifar S, Sohraby F, Bagheri M, Aryapour H. Repurposing existing drugs for new AMPK activators as a strategy to extend lifespan: a computer-aided drug discovery study. *Biogerontology*. 2018 Apr;19(2):133-143. doi: 10.1007/s10522-018-9744-x. Epub 2018 Jan 15. PubMed PMID: 29335817.

Muto O, Munakata M, Yamagata K, Masuda A, Kotanagi K, Kichiraku T, Satoyoshi R, Kudoh K, Sawada T, Miyazawa H, Ouchi S, Kotanagi H, Sakata Y. Successful Treatment with 5-fluorouracil and Levofolinate Calcium in Advanced Gastric Cancer Patient with Disseminated Intravascular Coagulation. *Gan To Kagaku Ryoho*. 2017 Oct;44(10):867-869. PubMed PMID: 29066681.

Costa T, Nuñez J, Felismino T, Boente L, Mello C. REOX: Evaluation of the Efficacy of Retreatment With an Oxaliplatin-containing Regimen in Metastatic Colorectal Cancer: A Retrospective Single-center Study. *Clin Colorectal Cancer*. 2017 Dec;16(4):316-323. doi: 10.1016/j.clcc.2017.03.002. Epub 2017 Mar 16. PubMed PMID: 28392022.

Zhao R, Aluri S, Goldman ID. The proton-coupled folate transporter (PCFT-SLC46A1) and the syndrome of systemic and cerebral folate deficiency of infancy: Hereditary folate malabsorption. *Mol Aspects Med*. 2017 Feb;53:57-72. doi: 10.1016/j.mam.2016.09.002. Epub 2016 Sep 21. Review. PubMed PMID: 27664775; PubMed Central PMCID: PMC5253092.

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