



# LKT Laboratories, Inc.

## Calcium Folate Pentahydrate

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** C0147

**CAS No.** 6035-45-6

**Chemical Name** N-[4-[[[(2-Amino-5-formyl-1,4,5,6,7,8-hexahydro-4-oxo-6-pteridinylo)methyl]-amino]benzoyl]-L-glutamic acid calcium salt pentahydrate

**Synonym** Leucovorin, 5-Formyl-5,6,7,8-tetrahydrofolic acid, calcium salt

**Formula**  $C_{20}H_{21}CaN_7O_7 \cdot 5H_2O$

**Formula Wt.** 601.59

**Melting Point** 240-250°C

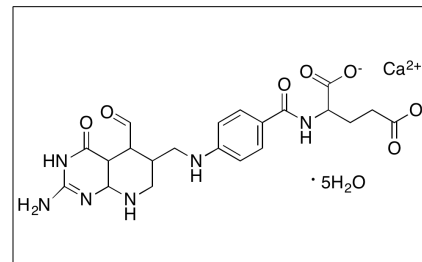
**Purity** ≥95%

**Solubility** Soluble in water. Insoluble in ethanol.

**Store Temp** 4°C

**Ship Temp** Ambient

**Description** Calcium folinate is commonly co-administered with methotrexate or other similar chemotherapeutics to provide a folate source for some dividing cells, such as bone marrow cells. Calcium folinate may inhibit thymidylate synthase.



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
C0147	100 mg	\$71.20
C0147	500 mg	\$300.50
C0147	1 g	\$504.50

**References** Chen C, Tian L, Zhang M, et al. Protective effect of amifostine on high-dose methotrexate-induced small intestinal mucositis in mice. *Dig Dis Sci*. 2013 Nov;58(11):3134-43. PMID: 23979434.

Payet B, Fabre G, Tubiana N, et al. Plasma kinetic study of folinic acid and 5-methyltetrahydrofolate in healthy volunteers and cancer patients by high-performance liquid chromatography. *Cancer Chemother Pharmacol*. 1987;19(4):319-25. PMID: 3496173.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.