



LKT Laboratories, Inc.

## Thymidine

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

### Product Information

Product ID T3185

CAS No. 50-89-5

#### Chemical Name

Synonym Deoxythymidine, deoxyribosylthymine, thymine deoxyriboside

Formula  $C_{10}H_{14}N_2O_5$

Formula Wt. 242.23

Melting Point

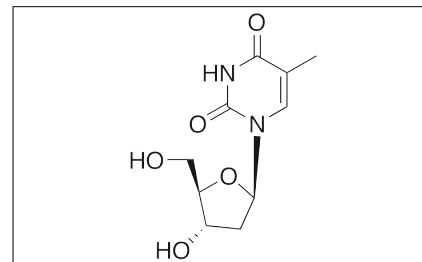
Purity  $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Thymidine (T) is a pyrimidine nucleoside base that pairs with adenosine (A) in double-stranded DNA. Thymidine is sometimes used to synchronize cells in the S phase of mitosis. TEST!!!!!!



### Pricing and Availability

*Bulk quantities available upon request*

| Product ID | Size | List Price |
|------------|------|------------|
| T3185      | 1 g  | \$46.20    |
| T3185      | 5 g  | \$92.30    |
| T3185      | 10 g | \$157.00   |

References Wang X, Pan L, Mao N, et al. Cell-cycle synchronization reverses Taxol resistance of human ovarian cancer cell lines. Cancer Cell Int. 2013 Jul 30;13(1):77. PMID: 23899403.

Banfai G. Synchronization of mammalian cells and nuclei by centrifugal elutriation. Methods Mol Biol. 2011;761:25-45. PMID: 21755439.

Langridge R, Marvin DA, Seeds WE, et al. The molecular configuration of deoxyribonucleic acid \*: II. Molecular models and their fourier transforms. J Mol Bio. Apr 1960;2(1):38-62.

Doty, P. The physical chemistry of deoxyribonucleic acids. J Cell and Comp Phys. May 1957;49(S1);27-57.

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