



LKT Laboratories, Inc.

Thymidine

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID T3185

CAS No. 50-89-5

Chemical Name

Synonym Deoxythymidine, deoxyribosylthymine, thymine deoxyriboside

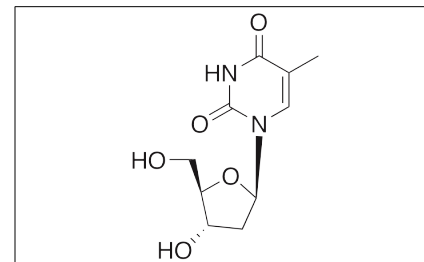
Formula C₁₀H₁₄N₂O₅

Formula Wt. 242.23

Melting Point

Purity ≥98%

Solubility



Bulk quantities available upon request

Product ID	Size
------------	------

T3185	1 g
-------	-----

T3185	5 g
-------	-----

T3185	10 g
-------	------

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.

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.

Banfalvi 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.