

Product Information

3'-Deoxythymidine

Cat. No.: X24-03-LY653

Size: 100 mg; 250 mg; 500 mg; 1 g; 10 g; 50 g; 100 g; 500 g

MDL: MFCD00010570

CAS Number: 3416-05-5

Compound CID: 65119

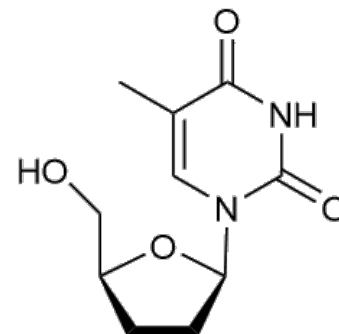
Synonym: 3416-05-5; Thymidine, 3'-deoxy-;

1-((2*R*,5*S*

)-5-(Hydroxymethyl)tetrahydrofuran-2-yl)-5-methylpyrimidine-2,4(1*H*,3*H*)-dione;

2',3'-Dideoxythymidine

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	3'-Deoxythymidine is a protective nucleoside with antiviral properties.
Molecular Weight	226.23
Molecular Formula	C ₁₀ H ₁₄ N ₂ O ₄
IUPAC Name	1-[(2 <i>R</i> ,5 <i>S</i>)-5-(Hydroxymethyl)oxolan-2-yl]-5-methylpyrimidine-2,4-dione
InChI	InChI=1S/C10H14N2O4/c1-6-4-12(10(15)11-9(6)14)8-3-2-7(5-13)16-8/h4,7-8,13H,2-3,5H2,1H3,(H,11,14,15)/t7-,8+/m0/s1
InChI Key	XKKCQTLDIPIRQD-JGVFFNPUSA-N
Canonical SMILES	CC1=CN(C(=O)NC1=O)C2CCC(O2)CO
Isomeric SMILES	CC1=CN(C(=O)NC1=O)[C@H]2CC[C@H](O2)CO
Form	Solid
Purity	≥98%
Applications	3'-Deoxythymidine can be used to synthesize DNA molecules with specific sequences.
Storage	Store at -20°C.