

Product Information

Modified nucleoside PMO thymidine precursor

Cat. No.: X24-08-LY009

Size: 50 mg; 100 mg; 250 mg; 500 mg

CAS Number: 914361-76-5

Compound CID: 16662130

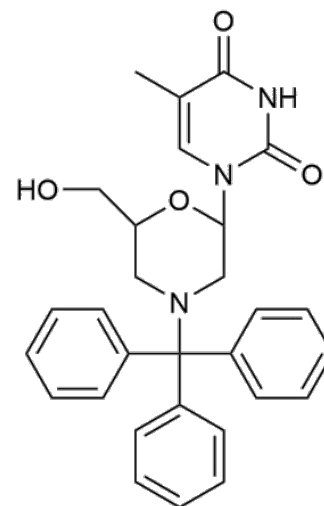
Synonym: 914361-76-5;

1-((2*R*,6*S*

)-6-(Hydroxymethyl)-4-tritylmorpholin-2-yl)-5-methylpyrimidine-2,4(1*H*,3*H*)-dione;

1-[(2*R*,6*S*)-6-(Hydroxymethyl)-4-tritylmorpholin-2-yl]-5-methylpyrimidine-2,4-dione; 7

Inverted exclamation mark -OH-*N*-trityl morpholinothymine; 1-(6-Hydroxymethyl-4-trityl-morpholin-2-yl)-5-methyl-1*H*-pyrimidine-2,4-dione



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

Product Information

Description	PMO Thymidine precursor is a precursor substance used in the synthesis of nucleic acids.
Molecular Weight	483.56
Molecular Formula	C ₂₉ H ₂₉ N ₃ O ₄
IUPAC Name	1-[(2 <i>R</i> ,6 <i>S</i>)-6-(Hydroxymethyl)-4-tritylmorpholin-2-yl]-5-methylpyrimidine-2,4-dione
InChI	InChI=1S/C29H29N3O4/c1-21-17-32(28(35)30-27(21)34)26-19-31(18-25(20-33)36-26)29(22-11-5-2-6-12-22,23-13-7-3-8-14-23)24-15-9-4-10-16-24/h2-17,25-26,33H,18-20H2,1H3,(H,30,34,35)/t25-,26+/m0/s1
InChI Key	SINOYLIIJPCM-IZZNHLLZSA-N
Canonical SMILES	CC1=CN(C(=O)NC1=O)C2CN(CC(O)CO)C(C3=CC=CC=C3)(C4=CC=CC=C4)C5=CC=CC=C5
Isomeric SMILES	CC1=CN(C(=O)NC1=O)[C@H]2CN(C[C@H](O)CO)C(C3=CC=CC=C3)(C4=CC=CC=C4)C5=CC=CC=C5
Form	White to yellow powder
Purity	≥98%, determined by HPLC.
Applications	PMO Thymidine precursor can be used for DNA sequence synthesis and gene editing.
Storage	Store at 4°C.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
