

Product Information

Modified nucleoside PMO-C precursor

Cat. No.: X24-08-LY010

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

CAS Number: 125515-31-3

Compound CID: 16662128

Synonym: 125515-31-3; *N*-(1-((2*R*,6*S*

)-6-(Hydroxymethyl)-4-tritylmorpholin-2-yl

)-2-oxo-1,2-dihydropyrimidin-4-yl)benzamide; *N*-[1-(6-Hydroxymethyl-4-trityl-

morpholin-2-yl)-2-oxo-1,2-dihydro-pyrimidin-4-yl]-benzamide; *N*

4-Benzoyl-7'-OH-*N*-trityl morpholino cytosine; *N*4-Benzoyl-7'-OH-*N*-trityl morpholino

cytosine;

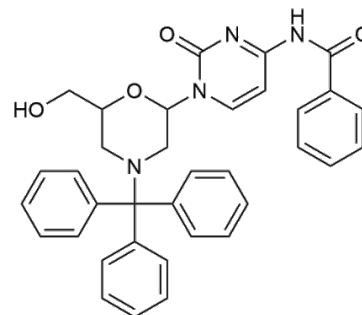
N-[1-[(2*R*,6*S*

)-6-(Hydroxymethyl)-4-tritylmorpholin-2-yl]-2-oxo-pyrimidin-4-yl]benzamide; *N*

4-Benzoyl-7 inverted exclamation mark -OH-*N*-trityl morpholino cytosine; *N*

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

)-6-(Hydroxymethyl)-4-tritylmorpholin-2-yl]-2-oxo-1,2-dihydropyrimidin-4-yl}benzamide



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

Product Information

Description	PMO-C Precursor is a nucleoside with antiviral and antitumor activity.
Molecular Weight	572.65
Molecular Formula	C ₃₅ H ₃₂ N ₄ O ₄
IUPAC Name	<i>N</i> -[1-[(2 <i>R</i> ,6 <i>S</i>)-6-(Hydroxymethyl)-4-tritylmorpholin-2-yl]-2-oxopyrimidin-4-yl]benzamide
InChI	InChI=1S/C35H32N4O4/c40-25-30-23-38(24-32(43-30)39-22-21-31(37-34(39)42)36-33(41)26-13-5-1-6-14-26)35(27-15-7-2-8-16-27,28-17-9-3-10-18-28)29-19-11-4-12-20-29/h1-22,30,32,40H,23-25H2,(H,36,37,41,42)/t30-,32+/m0/s1
InChI Key	DMFVVVKPXZHMPKX-XDFJSJKPSA-N
Canonical SMILES	C1C(OC(CN1C(C2=CC=CC=C2)(C3=CC=CC=C3)C4=CC=CC=C4)N5C=CC(=NC5=O)NC(=O)C6=CC=CC=C6)CO
Isomeric SMILES	C1[C@H](O[C@H](CN1C(C2=CC=CC=C2)(C3=CC=CC=C3)C4=CC=CC=C4)N5C=CC(=NC5=O)NC(=O)C6=CC=CC=C6)CO



Form	White to yellow powder
Purity	≥98%, determined by HPLC.
Applications	PMO-C Precursor can be used to study mechanisms of viral infection and tumor development.
Storage	Store at 4°C.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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