

## Product Information

### 5'-O-(4,4'-Dimethoxytrityl)-uridine

**Cat. No.:** X23-06-YW156

**Size:** 250 mg; 500 mg; 1 g; 5g; 10g

**MDL:** MFCD00057909

**CAS Number:** 81246-79-9

**PubChem CID:** 11763309

**Synonym:** DMT-Ur; 5'-O-(4,4'-Dimethoxytrityl)uridine; 5'-O-DMT-rU;

5'-O-DMT-uridine; 5'-O-(Dimethoxytrityl)-uridine;

5'-O-[bis(4-methoxyphenyl)phenylmethyl]uridine;

1-[(2*R*,3*R*,4*S*,5*R*

)-5-[[bis(4-methoxyphenyl)-phenylmethoxy]methyl]-3,4-dihydroxyoxolan-2-yl]pyrimidin

e-2,4-dione

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

#### Product Information

<b>Description</b>	5'-O-(4,4'-Dimethoxytrityl)-uridine at CD BioGlyco is a white to off-white powder product with a purity of ≥98%, which is an oligodeoxynucleotide that has been tetracycline conjugated.
<b>Molecular Weight</b>	546.576
<b>Molecular Formula</b>	C <sub>30</sub> H <sub>30</sub> N <sub>2</sub> O <sub>8</sub>
<b>InChI</b>	InChI=1S/C30H30N2O8/c1-37-22-12-8-20(9-13-22)30(19-6-4-3-5-7-19,21-10-14-23(38-2)15-11-21)39-18-24-26(34)27(35)28(40-24)32-17-16-25(33)31-29(32)36/h3-17,24,26-28,34-35H,18H2,1-2H3,(H,31,33,36)/t24-,26-,27-,28-/m1/s1
<b>InChI Key</b>	PCFSNQYXXACUHM-YULOIDQLSA-N
<b>Canonical SMILES</b>	<chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OCC4C(C(C(O4)N5C=CC(=O)NC5=O)O)O</chem>
<b>Isomeric SMILES</b>	<chem>COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OC[C@@H]4[C@H]([C@H]([C@@H](O4)N5C=CC(=O)NC5=O)O)O</chem>
<b>Form</b>	White to off-white powder
<b>Purity</b>	≥98%
<b>Applications</b>	5'-O-(4,4'-Dimethoxytrityl)-uridine can be used to block bacterial efflux and photooxidation of DNA.
<b>Storage</b>	Store at 4°C.

