

Product Information

3'-O-Methyluridine

Cat. No.: X24-03-LY664

Size: 1 g; 5 g; 10 g; 25 g

CAS Number: 6038-59-1

Compound CID: 23257697

Synonym: 6038-59-1;

4-[1-[(2-Methylphenyl)methyl]benzimidazol-2-yl]-1,2,5-oxadiazol-3-amine;

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

)

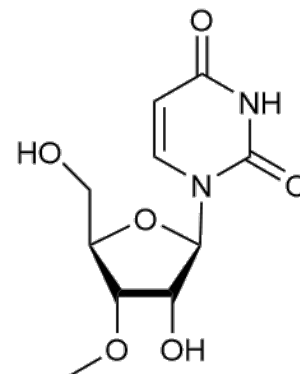
)-3-Hydroxy-5-(hydroxymethyl)-4-methoxytetrahydrofuran-2-yl]pyrimidine-2,4(1*H*,3*H*)-dione;

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

)

)-3-Hydroxy-5-(hydroxymethyl)-4-methoxyoxolan-2-yl]pyrimidine-2,4-dione; Uridine, 3'-O-methyl-

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



Product Information

Description	3'-O-Methyluridine is a protective nucleoside.
Molecular Weight	258.23
Molecular Formula	C ₁₀ H ₁₄ N ₂ O ₆
IUPAC Name	1-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i>)-3-Hydroxy-5-(hydroxymethyl)-4-methoxyoxolan-2-yl]pyrimidine-2,4-dione
InChI	InChI=1S/C10H14N2O6/c1-17-8-5(4-13)18-9(7(8)15)12-3-2-6(14)11-10(12)16/h2-3,5,7-9,13,15H,4H2,1H3,(H,11,14,16)/t5-,7-,8-,9-/m1/s1
InChI Key	YKNATSNMFLEFRB-ZOQUXTDFSA-N
Canonical SMILES	COC1C(OC(C1O)N2C=CC(=O)NC2=O)CO
Isomeric SMILES	CO[C@@H]1[C@H](O[C@H]([C@@H]1O)N2C=CC(=O)NC2=O)CO
Form	Solid
Purity	≥98%
Applications	3'-O-Methyluridine can be used as a modulator to regulate interactions between adherent pathogens (e.g. viruses) and host cells .
Storage	Store at -20°C.

