

Product Information

2'-O,4'-C-Methyleneuridine

Cat. No.: X24-03-LY647

Size: 5 mg; 10 mg; 50 mg; 100 mg; 250 mg; 500 mg; 1 g

MDL: MFCD12911820

CAS Number: 200435-92-3

Compound CID: 15546052

Synonym: 200435-92-3;

1-((1*S*,3*R*,4*R*,7*S*

)-7-

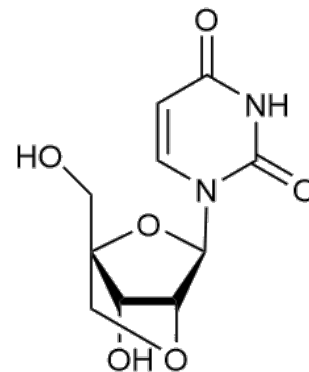
Hydrox

y-1-(hydroxymethyl)-2,5-dioxabicyclo[2.2.1]heptan-3-yl]pyrimidine-2,4(1*H*,3*H*)-dione;

1-[(1*S*,3*R*,4*R*,7*S*

)-7-Hydroxy-1-(hydroxymethyl)-2,5-dioxabicyclo[2.2.1]heptan-3-yl]pyrimidine-2,4-dion

e; 1-(2'-O,4'-C-Methylene-beta-D-ribofuranosyl)uridine



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

Product Information

Description	2'-O,4'-C-Methyleneuridin is a bicyclic nucleoside.
Molecular Weight	256.21
Molecular Formula	C ₁₀ H ₁₂ N ₂ O ₆
IUPAC Name	1-[(1 <i>S</i> ,3 <i>R</i> ,4 <i>R</i> ,7 <i>S</i>)-7-Hydroxy-1-(hydroxymethyl)-2,5-dioxabicyclo[2.2.1]heptan-3-yl]pyrimidine-2,4-dione
InChI	InChI=1S/C10H12N2O6/c13-3-10-4-17-6(7(10)15)8(18-10)12-2-1-5(14)11-9(12)16/h1-2,6-8,13,15H,3-4H2,(H,11,14,16)/t6-,7+,8-,10+/m1/s1
InChI Key	KNLNWXXWKDEEFW-JIOCBJNQSA-N
Canonical SMILES	C1C2(C(C(O1)C(O2)N3C=CC(=O)NC3=O)O)CO
Isomeric SMILES	C1[C@]2([C@H]([C@@H](O1)[C@H](O2)N3C=CC(=O)NC3=O)O)CO
Form	Solid
Purity	≥98%
Applications	2'-O,4'-C-Methyleneuridine can be used as a lead compound for drug design.
Storage	Store at -20°C.

